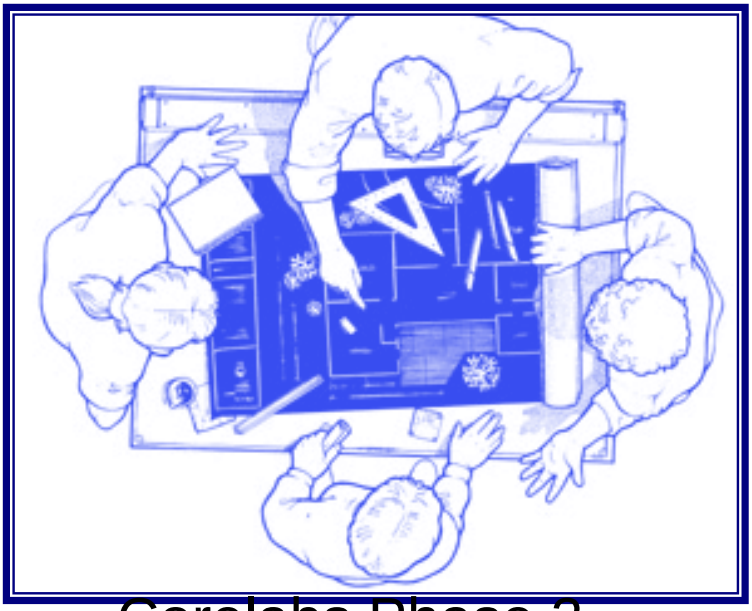
MOORE Supply Co.

# Plumbing Submittals



Corelabs Phase 2

Submitted By
SC Plumbing Co.
2/28/2012


**Moore Supply Co**

**League City**

**2430 West Main, (Hwy 518)**
**League City, TX 77573**
**Phone: 281-332-6225**
**Fax: 281-338-0060**

**www.mooresupply.com**

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| 8 | ..... | **** L-1 **** |
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**Disclaimer:**

**The specification sheets provided herein were written and provided by the product's manufacturer and not by Hajoca Corporation. Consequently, Hajoca Corporation cannot assume and disclaims any responsibility for errors, omissions or any misstatements in the product specifications provided herein.**

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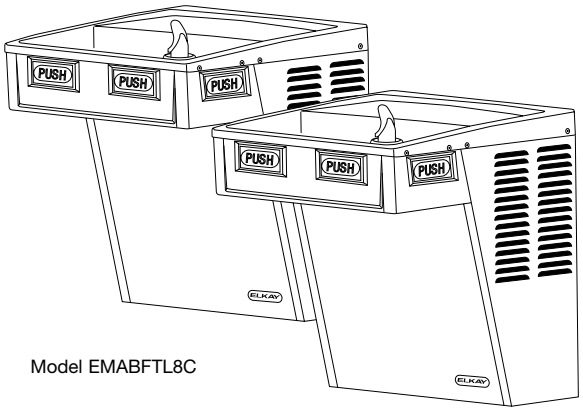
** EDF-1 **

MOORE Supply Co.

ELKAY®

# SPECIFICATIONS

## Two Station Wall Mount Water Cooler
## Barrier-Free Access (Adult or Child)
## NSF/ANSI 61 Compliant
## Models EMABFTL8C and EMABFTLDDC




Model EMABFTL8C

### GENERAL

Self-contained, double wall hung electric refrigerated, water cooler. Capacity 8.0 GPH of 50°F drinking water, based upon 80°F inlet water and 90°F ambient.

All models have a hooded stream projector with self closing push bars on front and both right and left sides. Patented* valve with built-in flow regulator provide constant stream from 20 to 105 psi (138 to 724 KPa) water pressure. Bubbler orifice fully protected to meet all sanitary codes.

NOTE: Minimum 40 psi supply line pressure required in special circumstances where both sides of bi-level are in use simultaneously to ensure adequate stream height. Does not apply to non-refrigerated units.

Pressurized stainless steel evaporator/storage tank for long life. Waterways are certified NSF/ANSI 61, far exceeding the requirements of the Safe Drinking Water Act. Stainless steel water tank is located after bubbler valve, so that the tank is subject to line pressure only when push bar is pressed.

### ADA COMPLIANT

These Water Coolers comply with the requirements of A.D.A. (Americans with Disabilities Act) when properly installed. Also meets the guidelines for children's environments providing the floor to orifice height is 30" or less and proper clear floor space is provided for parallel approach. (Based on Architectural and Transportation Barriers Compliance Board final ruling.) Check Local and State Codes.

### NO LEAD DESIGN

These Water Coolers are certified to be lead-free as defined by the Safe Drinking Water Act. Elkay Water Coolers are manufactured with a waterway system utilizing copper components and completely lead-free materials. These waterways have no lead because all lead materials, such as leaded brass, have been removed. All joints are brazed using silver solder only. No lead solder is permitted. A strainer with an easily cleanable screen is provided to allow trapping and convenient removal of waterborne particulate of 140 microns and larger prior to their entry into the water cooler.

These water coolers are certified to **NSF/ANSI 61**.

### CAPACITIES CHART

| Model Number | Volt./ Hertz | Base Rate | **GPH of 50°F Drinking Water Room Temperature °F 70°F (21°C) | 80°F (27°C) | 90°F (32°C) | Rated Watts | Full Load Amps | Glass Filler Option | Filter Option | Ship. Wt. Lbs. (Kg.) |
|---|---|---|---|---|---|---|---|---|---|---|
| EMABFTL8C | 120V/ 60Hz | 8.0 | 9.7 | 8.8 | 8.0 | 370 | 4.0 | No | Yes | 92 |
| EMABFTLDDC | – | – | – | – | – | – | – | No | Yes | 70 |

**Based on 80°F (27°C) inlet water temperature.

Rated watts shown are based on operational (run) time, in compliance with A.R.I. Standard 1010 conditions. Specific applications will determine the actual watts consumed per hour. Watts consumed will be based on number of people served per hour (usage), ambient temperatures, and inlet water temperature.

### COOLING SYSTEM

**Motor Compressor:** Hermetically sealed, reciprocating type, 120 Volt/60 Hz, single phase. Sealed-in lifetime oil supply. Equipped with electric cord and three prong molded rubber plug.

**Condenser:** Fan cooled, copper tube with aluminum fins. Fan motor is permanently lubricated.

**Cooling Unit:** Combination tube-tank type. Tube portion is continuous coil of copper tubing. Fully insulated with EPS foam which meets Underwriters Laboratories Inc. requirements for self extinguishing material.

**Refrigerant Control:** Refrigerant HFC-134a is controlled by accurately calibrated capillary tube for positively trouble-free operation.

**Temperature Control:** Enclosed adjustable thermostat is factory preset. Requires no adjustment other than for altitude requirements. Easily accessible.

### CONSTRUCTION

**Frame:** Galvanized structural steel chassis supports fountain top and cabinet panels.

**Fountain Top:** Series 300 one piece stainless steel top, polished to a uniform Elkay bright luster finish. Basin has embossed bubbler pad.

**Exclusive Flexi-Guard® Safety Bubbler*:** Innovative design utilizes a pliable polyester elastomer to prevent accidental mouth injuries. Flex on impact, then returns to original position. Strong. Abrasion-resistant. Anti-sweat. Bubbler meets UL requirements and all sanitary codes and is keyed in location to prevent rotation.

**Cabinet:** Cabinet design allows for flush to wall mounting. No recess space is required. Includes bottom cover plate fastened with standard screws.

**Color Selection:** Light Gray Granite furnished as standard. Stainless steel available at extra cost.

### ALSO AVAILABLE

**Model LMABFTL8C:** Same as EMABFTL8C with EWF172 water filter factory installed.

**5 YEAR LIMITED WARRANTY** on the refrigeration system of the unit. Electrical components and water system are warranted for 12 months from date of installation. Sample Certificate available on request.

Elkay Pressure-Type Water Coolers are designed to operate on 20 psi (138 KPa) to 105 psi (724 KPa) supply line pressure. If inlet pressure is above 105 psi (724 KPa), a pressure regulator must be installed in the supply line. Any damage caused by reason of connecting this product to supply line pressures lower than 20 psi (138 KPa) or higher than 105 psi (724 KPa) is not covered by the warranty.

### STANDARDS

c UL us Elkay Electric Air Cooled Water Coolers are listed by Underwriters Laboratories Inc. and comply with both Canadian and U.S. Requirements.

* Patent #4,481,971

*In keeping with our policy of continuing product improvement, Elkay reserves the right to change product specifications without notice.*

*This specification describes an Elkay product with design, quality and functional benefits to the user. When making a comparison of other producers' offerings, be certain these features are not overlooked.*

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Oak Brook, IL 60523

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(Rev. 7/07) 12-53B

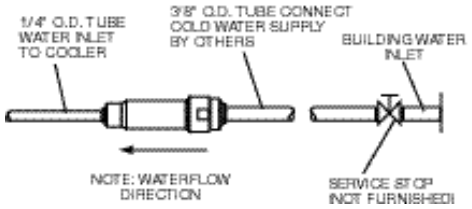
/00021258179

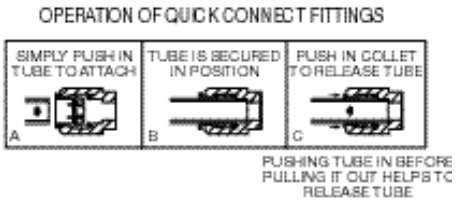
MOORE Supply Co.

# Two Station Wall Mount Water Cooler
# Barrier-Free Access (Adult or Child)
# NSF/ANSI 61 Compliant
# Models EMABFTL8C and EMABFTLDDC

ELKAY®

## ROUGH-IN DIMENSIONS


1/4" O.D. TUBE WATER INLET TO COOLER
3/8" O.D. TUBE CONNECT COLD WATER SUPPLY BY OTHERS
BUILDING WATER INLET
NOTE: WATERFLOW DIRECTION
SERVICE STOP (NOT FURNISHED)


OPERATION OF QUICK CONNECT FITTINGS
SIMPLY PUSH IN TUBE TO ATTACH
TUBE IS SECURED IN POSITION
PUSH IN COLLET TO RELEASE TUBE
A
B
C
PUSHING TUBE IN BEFORE PULLING IT OUT HELPS TO RELEASE TUBE

INSTALLER PLEASE NOTE:

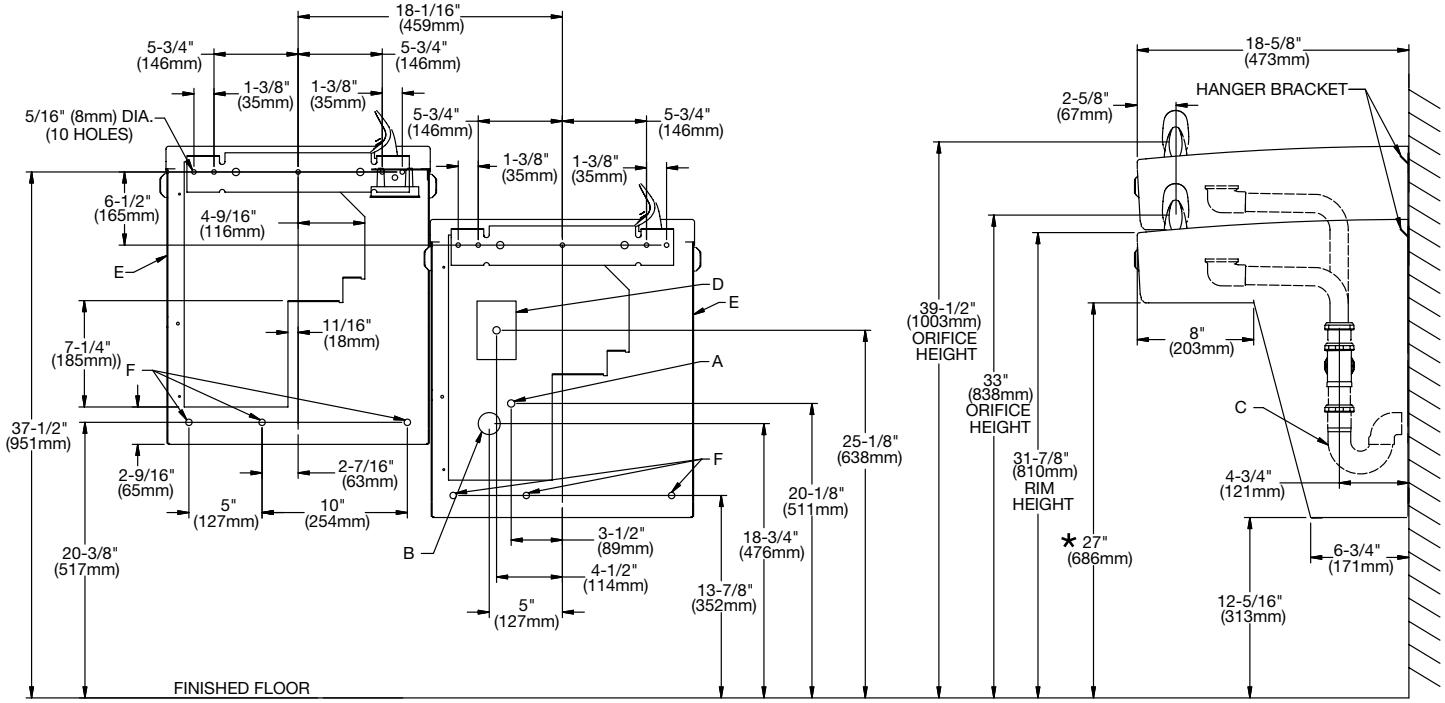
IMPORTANT

THIS WATER COOLER HAS BEEN DESIGNED AND BUILT TO PROVIDE WATER TO THE USER WHICH HAS NOT BEEN ALTERED BY MATERIALS IN THE COOLER WATERWAYS. THE GROUNDING OF ELECTRICAL EQUIPMENT SUCH AS TELEPHONE, COMPUTERS, ETC. TO WATER LINES IS A COMMON PROCEDURE. THIS GROUNDING MAY BE IN THE BUILDING BUT MAY ALSO OCCUR AWAY FROM THE BUILDING. THIS GROUNDING CAN CAUSE ELECTRICAL FEEDBACK INTO A WATER COOLER CREATING AN ELECTROLYSIS WHICH CREATES A METALLIC TASTE OR CAUSES AN INCREASE IN THE METAL CONTENT OF THE WATER. THIS CONDITION IS AVOIDABLE BY INSTALLING THE COOLER USING THE PROPER MATERIALS AS SHOWN BELOW.

NOTICE

THIS WATER COOLER MUST BE CONNECTED TO THE WATER SUPPLY USING A DIELECTRIC COUPLING. THE COOLER IS FURNISHED WITH A NON-METALLIC STRAINER WHICH MEETS THIS REQUIREMENT. THE DRAIN TRAP WHICH IS PROVIDED BY THE INSTALLER SHOULD ALSO BE PLASTIC TO COMPLETELY ISOLATE THE COOLER FROM THE BUILDING PLUMBING SYSTEM.

MINIMUM 40 PSI SUPPLY LINE PRESSURE REQUIRED IN SPECIAL CIRCUMSTANCES WHEN BOTH SIDES OF BILEVEL ARE IN USE SIMULTANEOUSLY TO ENSURE ADEQUATE STREAM HEIGHT. DOES NOT APPLY TO NON-REFRIGERATED UNITS.




REDUCE HEIGHT BY 3" FOR INSTALLATION OF CHILDRENS ADA COOLER

LEGEND:

A = RECOMMENDED WATER SUPPLY LOCATION. SHUT OFF VALVE (NOT FURNISHED) TO ACCEPT 3/8" O.D. UNPLATED COPPER TUBE.

B = RECOMMENDED LOCATION FOR WASTE OUTLET 1-1/2" O.D. DRAIN

C = 1-1/2" TRAP NOT FURNISHED

D = ELECTRICAL SUPPLY (3) WIRE RECESSED BOX

E = INSURE PROPER VENTILATION BY MAINTAINING 6" (152mm) MIN. CLEARANCE FROM CABINET LOUVERS TO WALL.

F = 7/16" BOLT HOLES FOR FASTENING UNIT TO WALL

* ADA REQUIREMENT

/00021258179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MOORE Supply Co.

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www.mcguiremfg.com

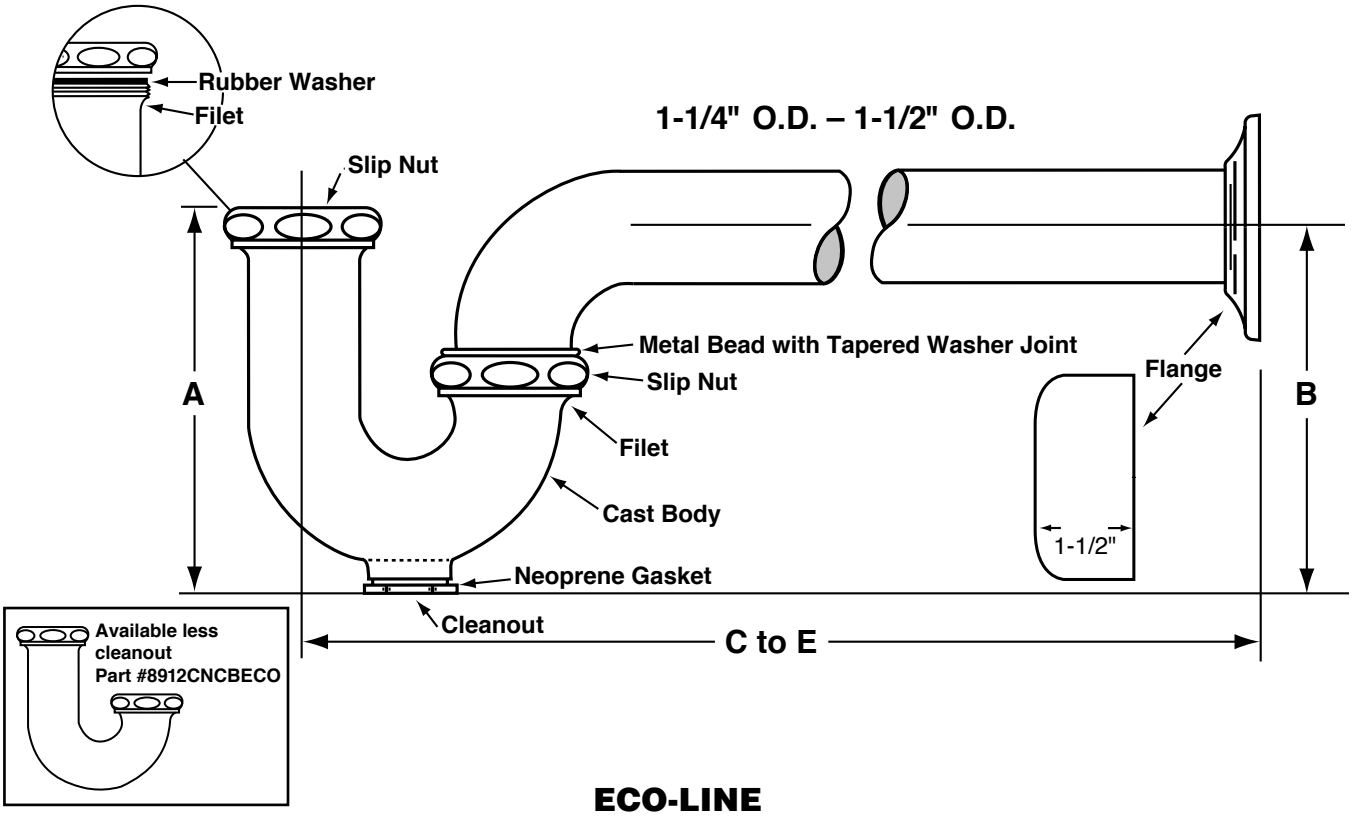
# PRODUCT SPECIFICATION

**Part No.**

8872CBECO, C8872CECO, 8904CBECO
8912CBECO, C8912CECO,
8912CNCBECO, 8912C18BECO

**Cast Body P-Trap With or Without Cleanout**

**Job Name:** **Submittal Number:**




## ECO-LINE

| ROUGHING MEASUREMENTS | | | | | | | |
|---|---|---|---|---|---|---|---|
| MODEL NO. | TRAP DIMENSIONS | | A | B | C to E | FLANGE | SLIP NUT |
| | INLET | OUTLET | | | | | |
| 8872CBECO | 1-1/4" | 1-1/4" | 5" | 4-1/2" | 11" | Box | Brass |
| C8872CECO | 1-1/4" | 1-1/4" | 5" | 4-1/2" | 10" | Shallow | Zinc |
| 8904CBECO | 1-1/2", 2" | 2" | 5" | 6" | 13" | Box | Brass |
| 8912CBECO | 1-1/2", 1-1/4" | 1-1/2" | 5" | 4-1/2" | 12" | Box | Brass |
| C8912CECO | 1-1/2" | 1-1/2" | 5" | 4-1/2" | 10-1/2" | Shallow | Zinc |
| 8912CNCBECO | 1-1/2", 1-1/4" | 1-1/2" | 4-5/8" | 4-1/8" | 12" | Box | Brass |
| 8912C18BECO | 1-1/2", 1-1/4" | 1-1/2" | 5" | 4-1/2" | 18" | Box | Brass |

**FED SPEC W.W.P. 541**
**CAST BRASS P-TRAP**
**MINIMUM SEAL 2"**

CSA® Certified

See options and accessories section for details on product variations.

## Specifications:

Chrome plated P-Trap shall be cast brass body, with or without cleanout, with 17 gauge seamless tubular wall bend and flange.

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MG8912CBECO
MOORE Supply Co.

McGUIRE MFG. CO., INC.
60 Grandview Court
P.O. Box 746 ♣ Cheshire, CT 06410
203-699-1801 ♣ Fax 203-699-1813
www.mcguiremfg.com

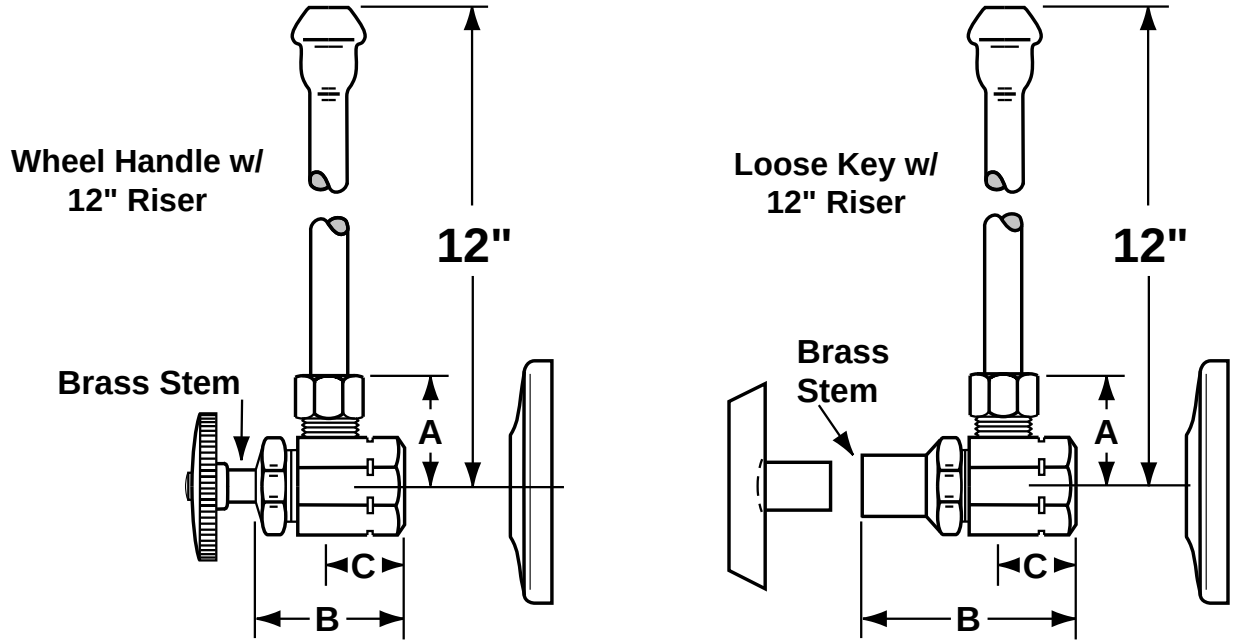
# Product Specification

**Part No.**

2165, 2165LK, 2167, 2167LK

Lavatory Supply
1/2" I.P.S. x O.D.

**Job Name:** _____ **Submittal Number:** _____




| NO. | ROUGHING MEASUREMENTS | A | B | C |
|---|---|---|---|---|
| **2165** | 1/2" I.P.S. x 3/8" O.D. | 1 | 1-1/2" | 3/4" |
| **2165LK** | 1/2" I.P.S. x 3/8" O.D. | 1 | 2-1/4" | 3/4" |
| **2167** | 1/2" I.P.S. x 1/2" O.D. | 1 | 1-1/2" | 3/4" |
| **2167LK** | 1/2" I.P.S. x 1/2" O.D. | 1 | 2-1/4" | 3/4" |

**LK** designates *Loose Key*

CSA Certified

See options and accessories section for details on product variations.

## Specifications:

Supply kit shall include chrome plated brass stops with full turn brass stem, no plastic, (12, 15, 20) inch chrome plated copper risers and (shallow, deep, bell) (steel, brass) or (forged brass with set screw) flange. Inlet shall be (3/8, 1/2) inch (IPS, sweat, compression). Outlet shall be (3/8, 1/2) inch (IPS, compression). Supply kit shall be McGuire _____. Supply kit shall be certified by CSA or other recognized testing authority and bear manufacturer and testing mark. Stop to be certified to 200 psi line pressure.

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MG2165

MOORE Supply Co.

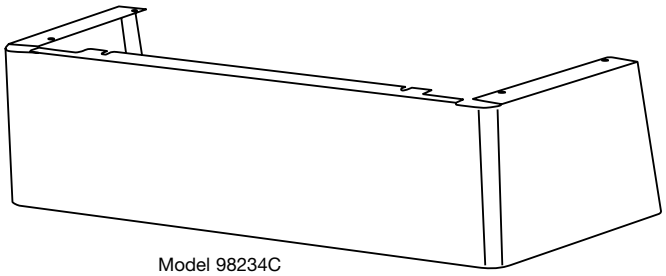
# ELKAY® SPECIFICATIONS

## Accessory Apron
## Model 98234C

### GENERAL
Accessory apron designed to bring Elkay VRC series vandal-resistant water coolers in compliance with the Americans with Disabilities Act (A.D.A.) when units are mounted on an exposed wall. This apron provides the mandatory 27" (686mm) floor to underside requirement when properly installed.*

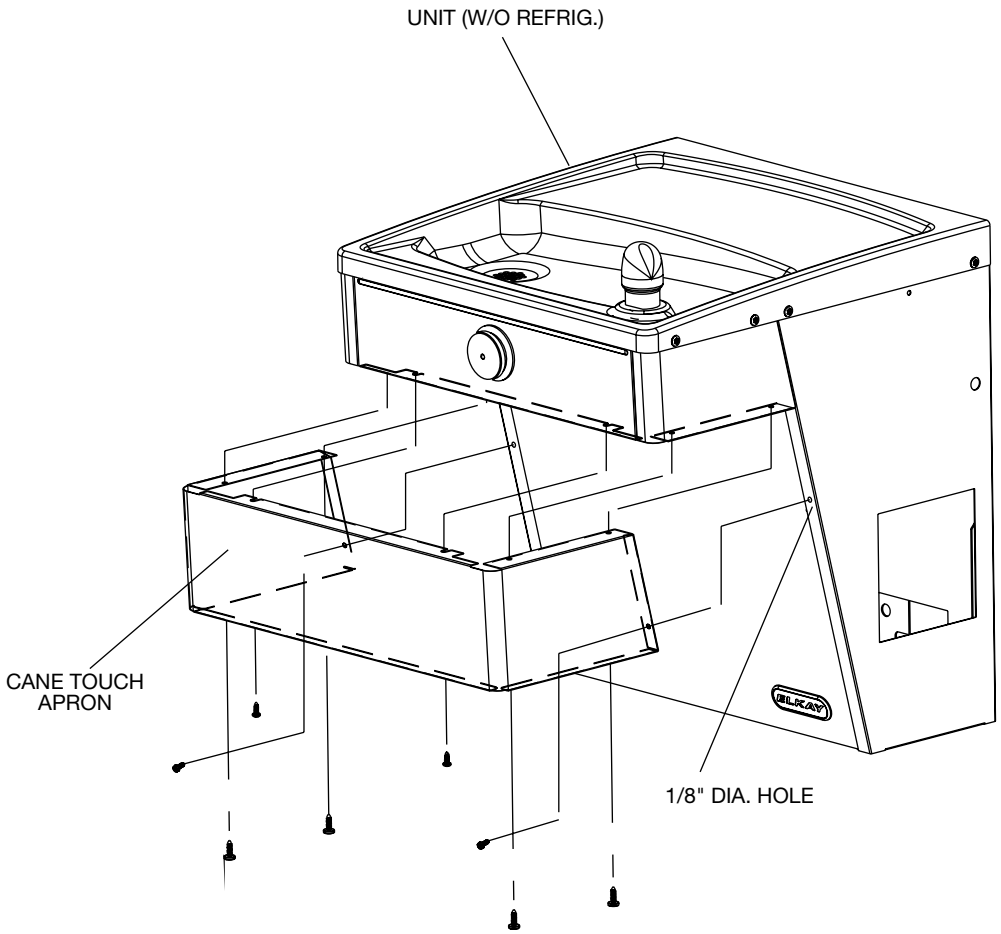
### CONSTRUCTION
300 Series stainless steel construction.

*Adult ADA requirement. 24" (609mm) for child ADA requirement. Adjust all other measurements accordingly.



Model 98234C

E98324C

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MORESupply Co.

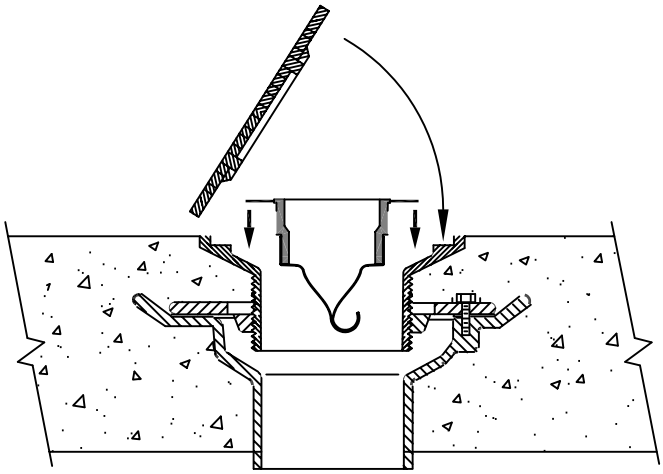
# ** TRAP GUARDS **

MOORE Supply Co.

# TRAP GUARD INSERT FOR EXISTING DRAINS

CAN BE USED ABOVE OR BELOW GROUND FLOOR

TRAP GUARD INSERT FITTING FITS
ZURN Z-415 TAILPIECE DRAIN



☐ PART NO. TG33-ZURN 3" INSERT FITS INSIDE Z-415 DRAINS

FOR TRAP GUARDS INSERTING INTO GASKET CONNECTED DRAINS, SEE DRAWING TG-23-G

IMPORTANT NOTES :

1. This Trap Guard insert can be installed into any Zurn # 415 drain tops to prevent sewer gas emission.
2. The extra wide flange needs to have an adhesive type caulk installed around the bottom edge.
3. Most Z415 tailpieces have 4 protrusions inside the 3-1/2" opening so the seal must be made around the edge of the TG flange. Make sure inside of tailpiece is clean.

If the trap guard device should get damaged or impaired in any way, the device can be easily removed by using a sharp screw driver under the flange.

Note: Care should be taken not to touch the elastomeric flexible material with the primer.

NO FIRE RATINGS ARE REQUIRED FOR UNDERGROUND PIPING OR OPENINGS

PROSET® SYSTEMS
FIRESTOP PENETRATOR™

DATE : 9-02-03

DRG . NO . TG-33-Z

TG33ZURN

MOORE Supply Co.

** L-1 **

MOORE Supply Co.

American Standard
Style That Works Better

BARRIER FREE

# STUDIO™ UNDERCOUNTER SINK
VITREOUS CHINA

## STUDIO™ UNDERCOUNTER SINK

- Rectangular undercounter mount sink
- Made from vitreous china
- Front overflow
- Supplied with mounting kit (047194-0070A) and template

❑ **0614.000 Unglazed Rim**
540 x 387mm
(21-1/4" x 15-1/4")

❑ **0614.300 Glazed underside**

**Bowl size:**
464mm (18-1/4") wide
308mm (12-1/8") front to back
171mm (6-3/4") deep

❑ **0618.000 Unglazed Rim**
600 x 422mm
(23-5/8" x 16-5/8")

❑ **0618.300 Glazed underside**

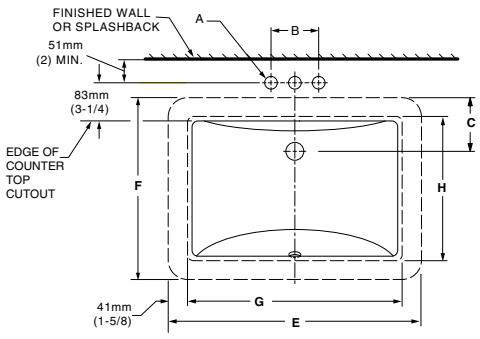
**Bowl size:**
537mm (21-1/8") wide
356mm (14") front to back
152mm (6") deep

**Compliance Certifications - Meets or Exceeds the Following Specifications:**
- ASME A112.19.2M for Vitreous China Fixtures
- CAN/CSA B45 series

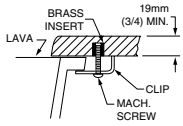
**To Be Specified:**
❑ Color: ❑ White ❑ Bone ❑ Linen ❑ Black
❑ Faucet*:
❑ Faucet Finish:
❑ Supplies:
❑ 1-1/4" Trap:

* See faucet section for additional models available

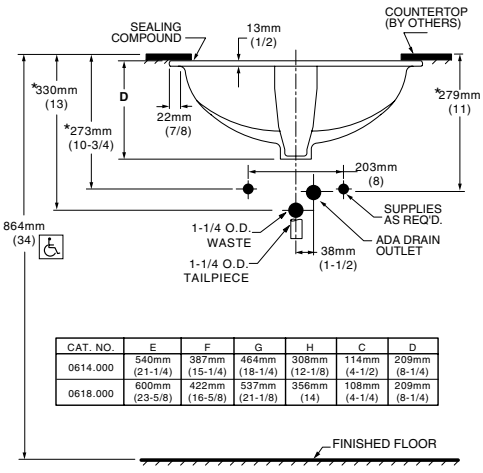
| FITTING | A | B |
|---|---|---|
| CENTER-SET | 1-1/16 (27mm) | 4 (102mm) |
| SPREAD | 1-1/4 (32mm) | 8 (203mm) |

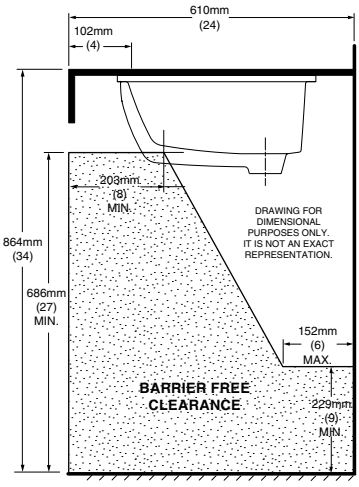



▼ DETAIL OF MOUNTING CLIP (KIT No.47194.0070A)




REFER TO INSTRUCTIONS PROVIDED WITH KIT FOR ADDITIONAL INFORMATION




| CAT. NO. | E | F | G | H | C | D |
|---|---|---|---|---|---|---|
| 0614.000 | 540mm (21-1/4) | 387mm (15-1/4) | 464mm (18-1/4) | 308mm (12-1/8) | 114mm (4-1/2) | 209mm (8-1/4) |
| 0618.000 | 600mm (23-5/8) | 422mm (16-5/8) | 537mm (21-1/8) | 356mm (14) | 108mm (4-1/4) | 209mm (8-1/4) |

**NOTES:**
WE RECOMMEND USING BASIN AS A TEMPLATE TO DETERMINE PROPER CONTOUR. CUT COUNTERTOP 38MM (1-1/2") INSIDE BASIN CONTOUR.
* DIMENSIONS SHOWN FOR LOCATION OF SUPPLIED AND "P" TRAP ARE SUGGESTED.
▼ UNDERCOUNTER MOUNTING KIT SUPPLIED WITH SINK.
FITTINGS NOT INCLUDED WITH FIXTURE AND MUST BE ORDERED SEPARATELY.
SEALING COMPOUND SUPPLIED BY OTHERS.

**IMPORTANT:** Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2.
These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.

**MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES - CHECK LOCAL CODES.**
● Countertop 864mm (34") from finished floor. Lavatory installed 102mm (4") from front edge of countertop. Countertop thickness to be 25mm (1") maximum.



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/00021258184

MOORE Supply Co.

# MECHANICAL FAUCETS

# 404-317CP

## Sink Faucets

### Product Type

Deck Mounted Concealed Hot and Cold Water Sink Faucet

### Features & Specifications

- 8" Fixed Centers
- 2.2 GPM (8.3 L/min) Aerator
- 4" Wristblade Handle
- Quaturn Compression Operating Cartridge
- 1/2" NPSM Supply Inlets and Coupling Nut for 3/8" or 1/2" Flexible Riser
- 5" Center to Center Rigid Cast Brass Spout
- CFNow! Item Ships in 5 Days

### Performance Specification

- Rating Operating Pressure: 20-125 PSI
- Rated Operating Temperature: 40-140ºF

### Warranty

- Lifetime Limited Faucet Warranty
- 5-Year Limited Cartridge Warranty
- 1-Year Limited Finish Warranty

### Codes & Standards

- ASME A112.18.1/CSA B125.1
- Certified to NSF/ANSI 61, Section 9 by CSA
- ADA ANSI/ICC A117.1

Job Name _____

Item Number _____

Section/Tag _____

Model Specified _____

Architect _____

Engineer _____

Contractor _____

[ ] Submitted as Shown [ ] Submitted with Variations

Date _____

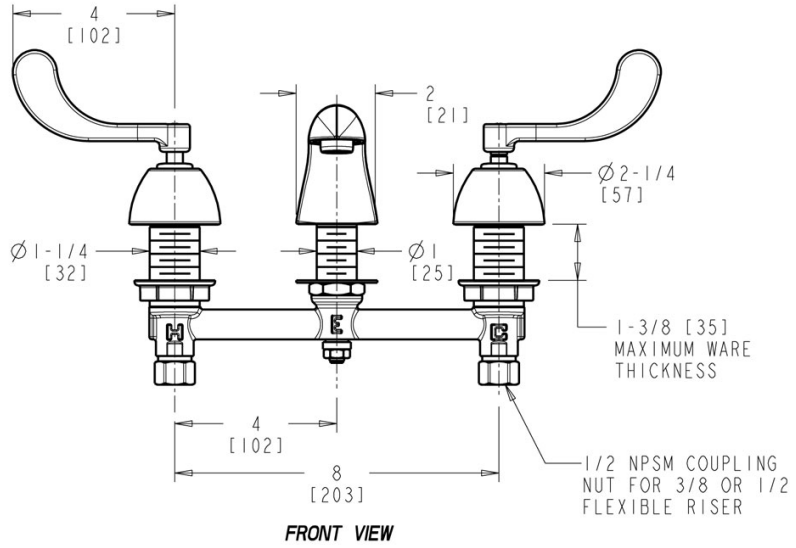
2100 South Clearwater Drive
Des Plaines, IL
P: 847/803-5000
F: 847/803-5454
Technical: 800/TEC-TRUE
www.chicagofaucets.com

# 404-317CP

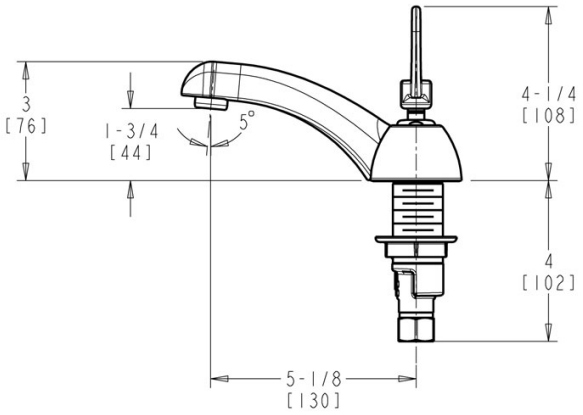
## Sink Faucets

### Architect/Engineer Specification

Chicago Faucets No. 404-317CP, Deck Mounted Concealed Hot and Cold Water Sink Faucet, polished chrome plated solid brass construction. 5" Center to Center Rigid Cast Brass Spout. 2.2 GPM (8.3 L/min) Pressure Compensating Softflo Aerator. 4" Metal Wristblade handle(s) with Sixteen Point Tapered Broach and Secured Blue and Red Buttons. Quaturn™ rebuildable compression cartridge, opens and closes 90°, closes with water pressure, features square tapered stem. Integral inlet shank(s) contains standard 1/2" NPSM Supply Inlets and Coupling Nut for 3/8" or 1/2" Flexible Riser. Mounting hardware included. This product meets ADA ANSI/ICC A117.1 requirements and is tested and certified to industry standards: ASME A112.18.1/CSA B125.1, and Certified to NSF/ANSI 61, Section 9 by CSA.




*FRONT VIEW*




*SIDE VIEW*

### Operation and Maintenance

Installation should be in accordance with local plumbing codes. Flush all pipes thoroughly before installation. After installation, remove spout outlet or flow control and flush faucet thoroughly to clear any debris. Care should be taken when cleaning the product. Do not use abrasive cleaners, chemicals or solvents as they can result in surface damage. Use mild soap and warm water for cleaning and protecting the life of Chicago Faucet products. For specific operation and maintenance refer to the installation instructions and repair parts documents that are located at www.chicagofaucets.com.

Chicago Faucets, member of the Geberit Group, is the leading brand of commercial faucets and fittings in the United States, offering a complete range of products for schools, laboratories, hospitals, office buildings, food service, airports and sport facilities. Call 1.800.TECTRUE or 1.847.803.5000 Option 1 for installation or other technical assistance.

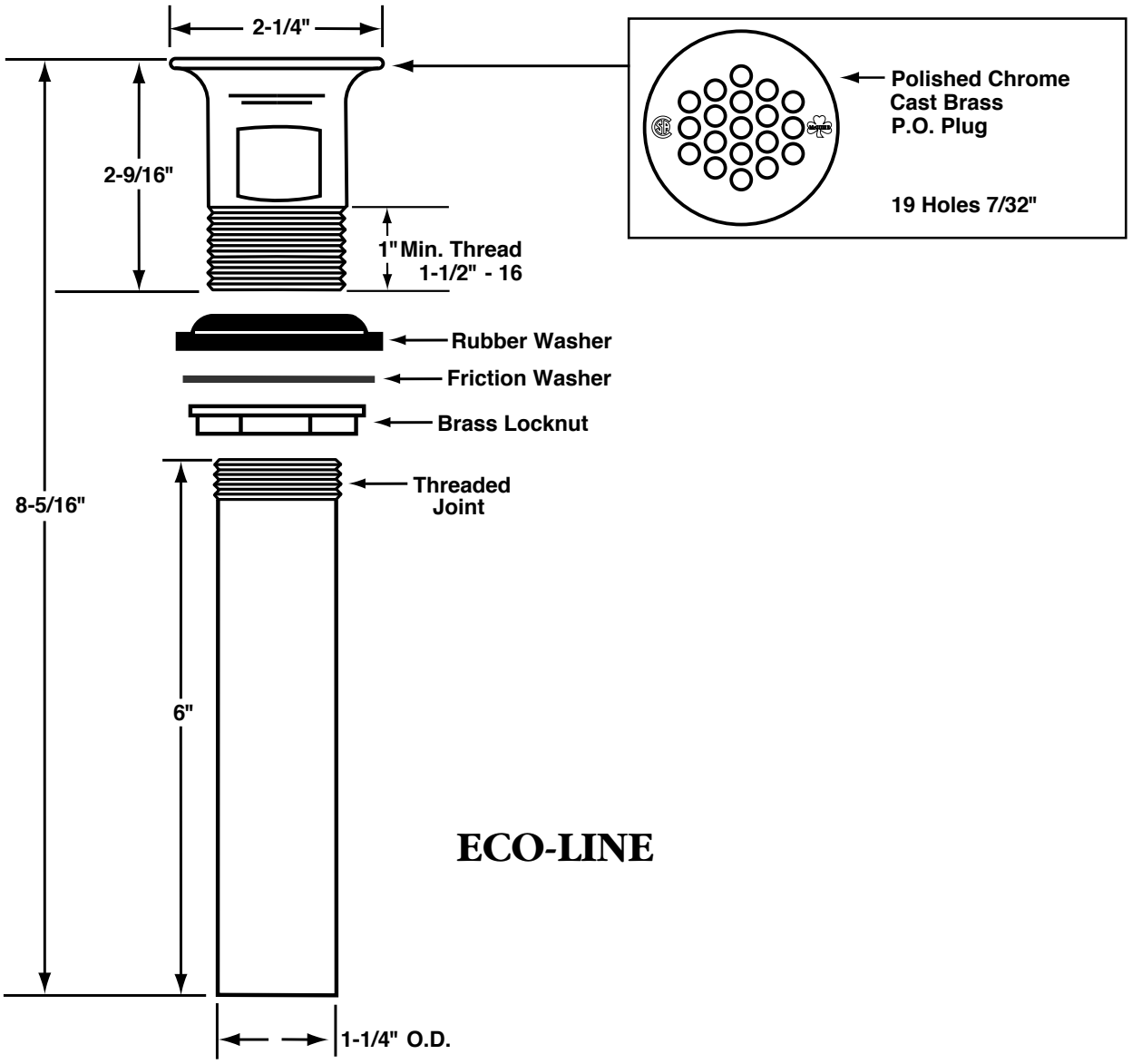
2100 South Clearwater Drive
Des Plaines, IL
P: 847/803-5000
F: 847/803-5454
Technical: 800/TEC-TRUE
www.chicagofaucets.com

McGuire Manufacturing Co., Inc.
60 Grandview Court
P.O. Box 746 ♣Cheshire, CT 06410
203-699-1801 ♣ Fax: 203-699-1813
www.mcguiremfg.com

# PRODUCT SPECIFICATION

| Part No. |
| --- |
| 155AECO |
| Open Grid P.O. Plug |

**Job Name:** **Submittal Number:**




## ECO-LINE

CSA® Certified

## Specifications:

Cast Brass Chrome Plated Open Grid P.O. Plug with 17 gauge 1-1/4" x 6" seamless brass tailpiece, brass locknut, heavy rubber basin washer and fiber friction washer. Drain shall be in compliance with CSA or other recognized testing authority and bear both manufacturer and testing mark.

MG155AECO

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MOORE Supply Co.

McGuire Manufacturing Co., Inc.
60 Grandview Court
P.O. Box 746♣ Cheshire, CT 06410
203-699-1801♣ Fax: 203-699-1813
www.mcguiremfg.com

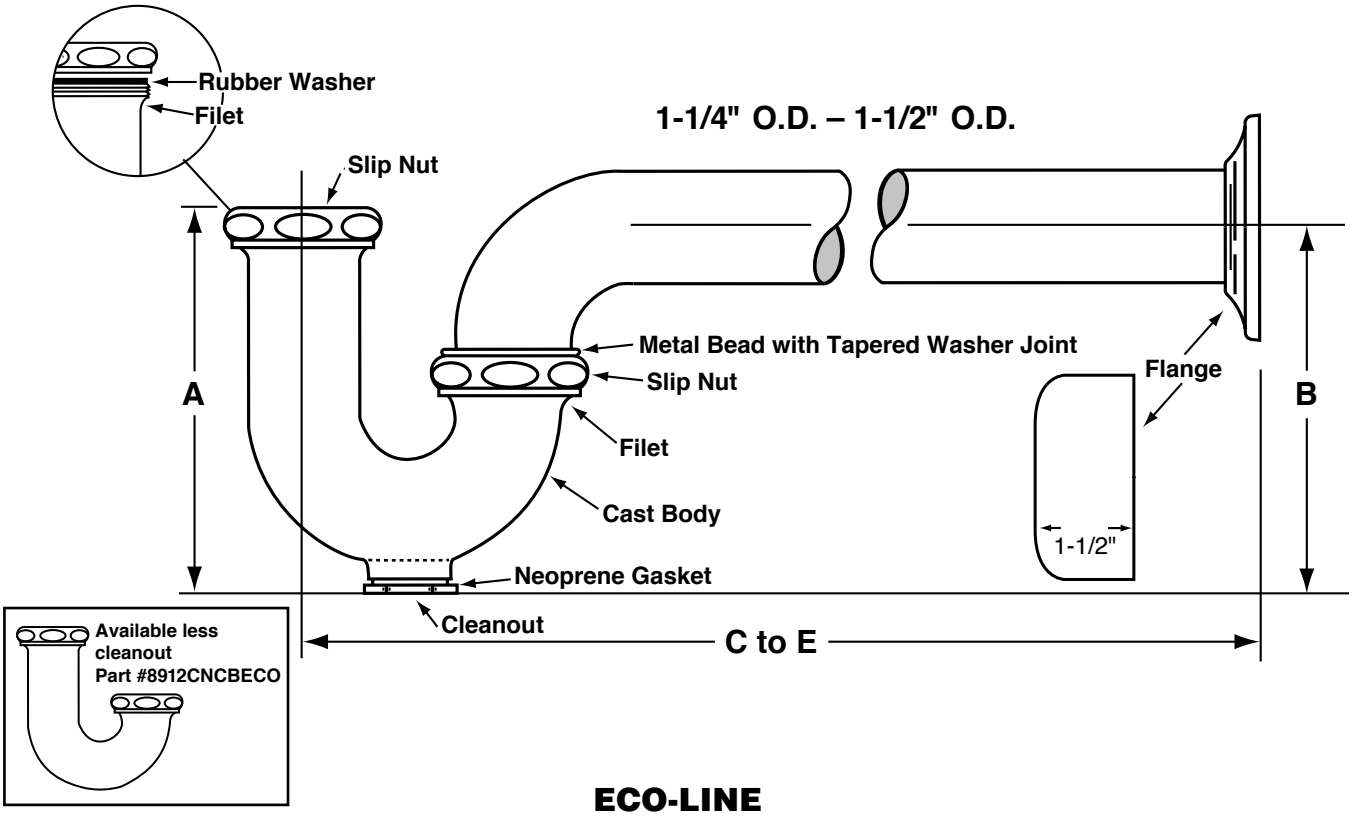
# PRODUCT SPECIFICATION

**Part No.**

8872CBECO, C8872CECO, 8904CBECO
8912CBECO, C8912CECO,
8912CNCBECO, 8912C18BECO

**Cast Body P-Trap With or Without Cleanout**

**Job Name:** **Submittal Number:**




## ECO-LINE

| ROUGHING MEASUREMENTS | | | | | | | |
|---|---|---|---|---|---|---|---|
| MODEL NO. | TRAP DIMENSIONS | | A | B | C to E | FLANGE | SLIP NUT |
| | INLET | OUTLET | | | | | |
| 8872CBECO | 1-1/4" | 1-1/4" | 5" | 4-1/2" | 11" | Box | Brass |
| C8872CECO | 1-1/4" | 1-1/4" | 5" | 4-1/2" | 10" | Shallow | Zinc |
| 8904CBECO | 1-1/2", 2" | 2" | 5" | 6" | 13" | Box | Brass |
| 8912CBECO | 1-1/2", 1-1/4" | 1-1/2" | 5" | 4-1/2" | 12" | Box | Brass |
| C8912CECO | 1-1/2" | 1-1/2" | 5" | 4-1/2" | 10-1/2" | Shallow | Zinc |
| 8912CNCBECO | 1-1/2", 1-1/4" | 1-1/2" | 4-5/8" | 4-1/8" | 12" | Box | Brass |
| 8912C18BECO | 1-1/2", 1-1/4" | 1-1/2" | 5" | 4-1/2" | 18" | Box | Brass |

**FED SPEC W.W.P. 541**
**CAST BRASS P-TRAP**
**MINIMUM SEAL 2"**

CSA® Certified

See options and accessories section for details on product variations.

## Specifications:

Chrome plated P-Trap shall be cast brass body, with or without cleanout, with 17 gauge seamless tubular wall bend and flange.

MG8872CBECO

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MOORE Supply Co.

# MECHANICAL FAUCETS

# 1006-CP

## Stops and Supplies

### Product Type

Angle with Supply Tube Mounted Angle Stop Fitting with Supply Tube and Loose Key

### Features & Specifications

- Stops with 1/2" Inlet
- 2 1/4 Tee Handle
- Slow Compression Operating Cartridge
- 1/2" NPT Female Thread Inlet
- 1/2" O.D. Female Compression Outlet
- Slip Wall Flange
- 1/2" O.D. x 12" Bullnose Flexible Supply Riser
- CFNow! Item Ships in 5 Days

### Performance Specification

- Rating Operating Pressure: 20-125 PSI
- Rated Operating Temperature: 40-140ºF

### Warranty

- Lifetime Limited Faucet Warranty
- 5-Year Limited Cartridge Warranty
- 1-Year Limited Finish Warranty

### Codes & Standards

- ASME A112.18.1/CSA B125.1
- Certified to NSF/ANSI 61, Section 9 by CSA

Job Name _____

Item Number _____

Section/Tag _____

Model Specified _____

Architect _____

Engineer _____

Contractor _____

[ ] Submitted as Shown [ ] Submitted with Variations

Date _____

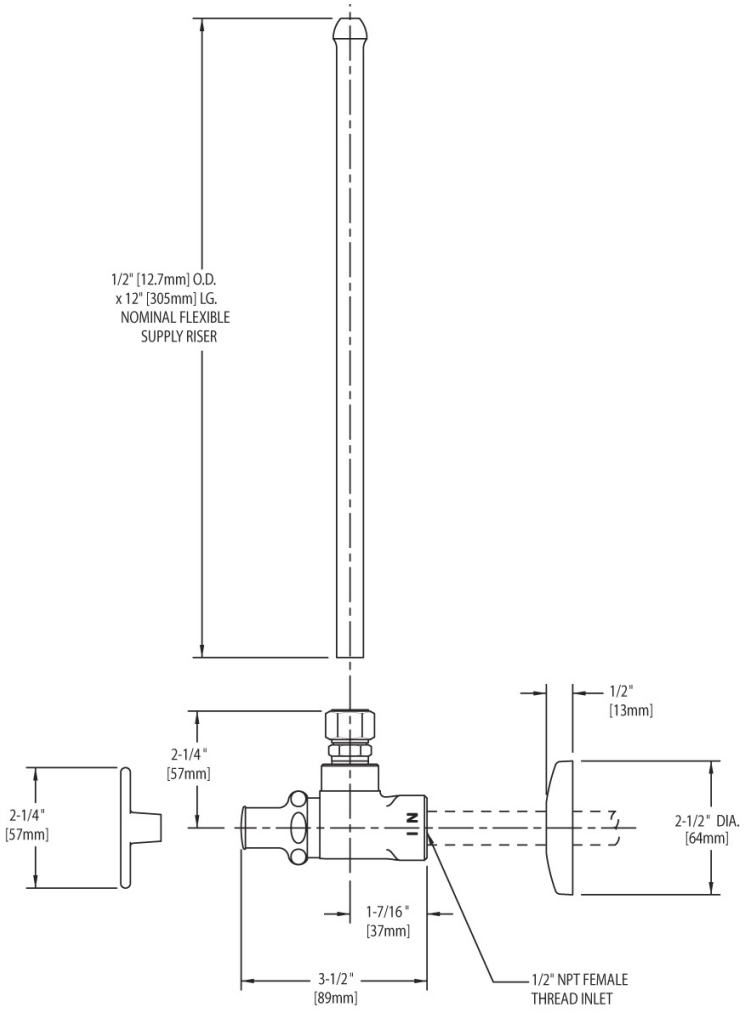
2100 South Clearwater Drive
Des Plaines, IL
P: 847/803-5000
F: 847/803-5454
Technical: 800/TEC-TRUE
www.chicagofaucets.com

# 1006-CP

## Stops and Supplies

### Architect/Engineer Specification

Chicago Faucets No. 1006-CP, Angle with Supply Tube Mounted Angle Stop Fitting with Supply Tube and Loose Key, polished chrome plated solid brass construction. 2 1/4 Metal Tee handle(s) with Tapered Square. Slow compression rebuildable cartridge, opens and closes 360° for fine adjustment, closes with water pressure, features square tapered stem. Integral inlet shank(s) contains standard 1/2" NPT Female Thread Inlet. 1/2" O.D. Female Compression Outlet. Slip Wall Flange. 1/2" O.D. x 12" Bullnose Flexible Supply Riser. Mounting hardware included. This product is tested and certified to industry standards: ASME A112.18.1/CSA B125.1, and Certified to NSF/ANSI 61, Section 9 by CSA.




### Operation and Maintenance

Installation should be in accordance with local plumbing codes. Flush all pipes thoroughly before installation. After installation, remove spout outlet or flow control and flush faucet thoroughly to clear any debris. Care should be taken when cleaning the product. Do not use abrasive cleaners, chemicals or solvents as they can result in surface damage. Use mild soap and warm water for cleaning and protecting the life of Chicago Faucet products. For specific operation and maintenance refer to the installation instructions and repair parts documents that are located at www.chicagofaucets.com.

Chicago Faucets, member of the Geberit Group, is the leading brand of commercial faucets and fittings in the United States, offering a complete range of products for schools, laboratories, hospitals, office buildings, food service, airports and sport facilities. Call 1.800.TECTRUE or 1.847.803.5000 Option 1 for installation or other technical assistance.

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Des Plaines, IL
P: 847/803-5000
F: 847/803-5454
Technical: 800/TEC-TRUE
www.chicagofaucets.com



MOORE Supply Co.

# LAV GUARD® 2
FAST FIT UNDERSINK PIPING COVERS

All New E-Z Series

*ADA-compliant undersink protection*

TRUEBRO® IPS CORPORATION

# Submittal Sheet

T102W

## General Description:

LAV GUARD® 2 E-Z Series waste and supply piping covers satisfy ADA compliance requirements. Built-in *E-Z Grip* internal fasteners and internal, *E-Z Tear-To-Fit* trimming feature allow for fast installation without tools. *Series #100 E-Z* kits are designed to fit on all tubular and cast brass P-trap assemblies. *Series #400* kits are the "original" LAV GUARD design and fit schedule 40 ABS and PVC P-trap assemblies — regardless of their geometry or rotational offset. Valve cover completely encloses angle valve and supply tube for both handled and keyed type water stops.

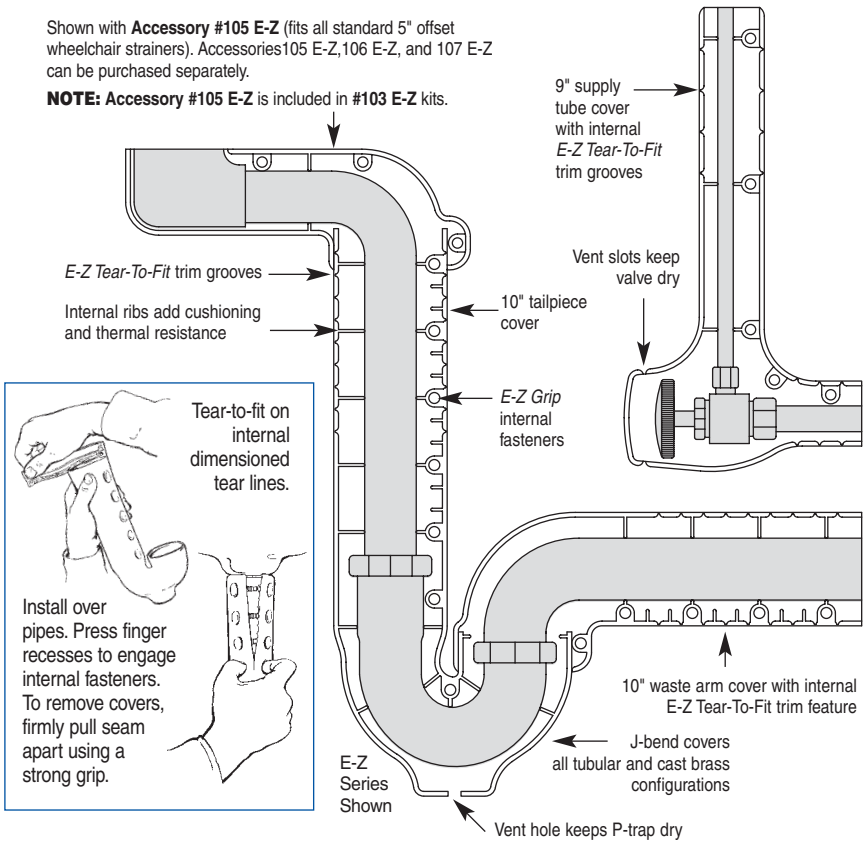
| | |
|---|---|
| Material | Molded vinyl |
| Nominal Wall | 1/8" constant |
| Durometer | 70 - 80 - Shore A |
| UV Protection | Will not fade or discolor |
| Durability | Virtually indestructible |
| Trimming (E-Z Series) | Internal, *E-Z Tear-To-Fit* trim feature |
| Fasteners (E-Z Series) | Internal *E-Z Grip* fasteners (reusable) |
| Color | China white |
| Paintability | Apply Latex paint |
| Burning Characteristics ASTM D-635 | Self extinguished 0 sec (ATB) 0 mm (AEB) |
| Bacteria/Fungus Resistance | ASTM G21 and G22/ Result: 0 growth |
| Maintenance | Use common detergents |

Manufactured under one or more of the following U.S. or Canadian patents. Other patents pending.

5,303,730 5,360,031 5,524,669 5,564,463 5,678,598 5,699,828 5,915,412 5,915,413 5,901,739 5,960,820 2,075,324 2,119,427 2,136,027 2,158,083

TRUEBRO® IPS CORPORATION

IPS Corporation, 202 Industrial Park Lane, Collierville, TN 38017
(901) 853-5001 (800) 340-5969 FAX: (901) 853-5008
e-mail: info@truebro.com Internet: http://www.truebro.com


Shown with **Accessory #105 E-Z** (fits all standard 5" offset wheelchair strainers). Accessories105 E-Z,106 E-Z, and 107 E-Z can be purchased separately.
**NOTE: Accessory #105 E-Z** is included in **#103 E-Z** kits.
9" supply tube cover with internal *E-Z Tear-To-Fit* trim grooves
*E-Z Tear-To-Fit* trim grooves
Internal ribs add cushioning and thermal resistance
10" tailpiece cover
Vent slots keep valve dry
*E-Z Grip* internal fasteners
Tear-to-fit on internal dimensioned tear lines.
Install over pipes. Press finger recesses to engage internal fasteners. To remove covers, firmly pull seam apart using a strong grip.
10" waste arm cover with internal E-Z Tear-To-Fit trim feature
J-bend covers all tubular and cast brass configurations
E-Z Series Shown
Vent hole keeps P-trap dry

***#100 E-Z Series*** *(shown above right) for tubular and cast brass P-trap assemblies.*
***#400W* Series*** *(original design) for schedule 40 P-trap assemblies.*

☐ **Model #99 E-Z**
One angle valve and supply cover

☐ **Model #100 E-Z**
One P-trap cover

☐ **Model #400W***
One P-trap cover

☐ **Model #101 E-Z**
One P-trap cover, one angle valve cover

☐ **Model #401W***
One P-trap cover, one angle valve cover

☐ **Model #102 E-Z**
One P-trap cover, two angle valves and covers

☐ **Model #402W***
One P-trap cover, two angle valves and covers

☐ **Model #103 E-Z**
One P-trap cover, two angle valves and supply covers, one 5" offset tailpiece wheelchair strainer cover

☐ **Accessory #105 E-Z**
One 5" offset tailpiece wheelchair strainer assembly

*All #400W series items are the "original" LAV GUARD® design and construction. Specifications may change without notice.

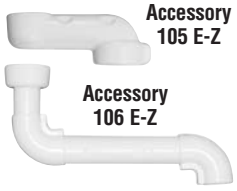
☐ **Accessory #105-K**
Kohler 6" offset

☐ **Accessory #106 E-Z**
One basket strainer cover and offset waste cover (adjustable to 18")

☐ **Accessory #107 E-Z**
Two basket strainer covers and center or end outlet waste cover (adjustable)

☐ **Accessory #Ex99 E-Z**
One 16" extension for water supply

☐ **Accessory #Ex100 E-Z**
One 16" extension for drain waste arm or tailpiece




**Accessory 107 E-Z**
(Configuration Options Shown)

Job/Location _____

Designer _____

TRUEBRO reserves the right to make product and material changes at any time without notice. 2/07

MOORE Supply Co.

** L-2 **

MOORE Supply Co.

American Standard
Style That Works Better

BARRIER FREE

# LUCERNE™ WALL-HUNG LAVATORY
VITREOUS CHINA

AS0356015WH

## LUCERNE™ WALL-HUNG LAVATORY

- Wall-hung sink
- Vitreous china
- Front overflow
- D-shaped bowl
- Self-draining deck area with contoured back and side splash shields
- Faucet ledge

**Faucet holes on 203mm (8") centers (Illus.):**

❑ **0356.028** For exposed bracket support
Shown with 4801.862 Amarilis Heritage faucet with Triune Cross handles (not included)

❑ **0356.015** For wall hanger (included) or concealed arms support

❑ **0356.037** For wall hanger (included) or concealed arms support
- Extra right-hand hole

❑ **0356.073** For wall hanger (included) or concealed arms support
- Extra left-hand hole

**Faucet holes on 102mm (4") centers:**

❑ **0355.027** For exposed bracket support

❑ **0355.012** For wall hanger (included) or concealed arms support

❑ **0355.034** For wall hanger (included) or concealed arms support
- Extra right-hand hole

❑ **0355.056** For wall hanger (included) or concealed arms support
- Extra left-hand hole

**Single center faucet hole (Illus.):**

❑ **0356.041** For exposed bracket support
Shown with 1340.000 metering faucet (not included)

❑ **0356.421** For wall hanger (included) or concealed arms support

❑ **0356.137** For wall hanger (included) or concealed arms support
- Extra right-hand hole

❑ **0356.115** For wall hanger (included) or concealed arms support
- Extra left-hand hole

**Nominal Dimensions:**
521 x 464mm
(20-1/2" x 18-1/4")

**Bowl sizes:**
381mm (15") wide
254mm (10") front to back
165mm (6-1/2") deep

**Compliance Certifications -**
**Meets or Exceeds the Following Specifications:**
- ASME A112.19.2 for Vitreous China Fixtures

**0356.028**

**0356.041**

SEE REVERSE FOR ROUGHING-IN DIMENSIONS

**To Be Specified:**
❑ Color: ❑ White ❑ Bone ❑ Silver ❑ Black ❑ Linen
❑ Faucet*:
❑ Faucet Finish:
❑ Supplies:
❑ 1-1/4" Trap:
❑ Nipple:
❑ Bracket Support (by others):
❑ Concealed Arms Support (by others):

* See faucet section for additional models available

**MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES - CHECK LOCAL CODES.**
Top of front rim mounted 864mm (34") from finished floor.



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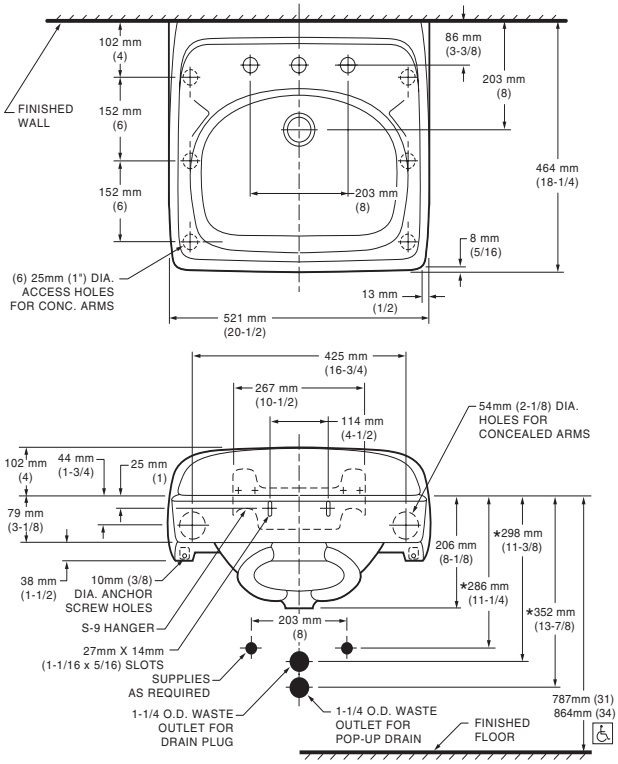
American Standard
Style That Works Better

BARRIER FREE

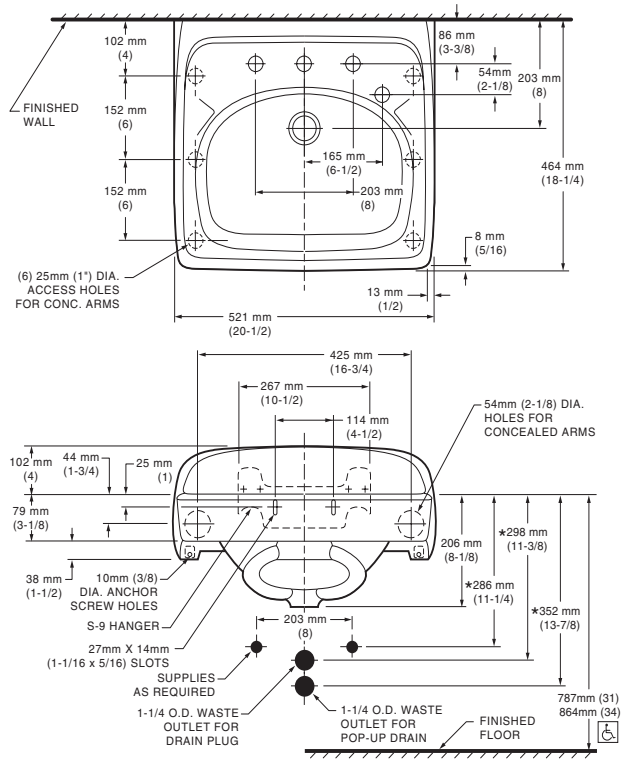
# LUCERNE™ WALL-HUNG LAVATORY
VITREOUS CHINA

AS0356015WH

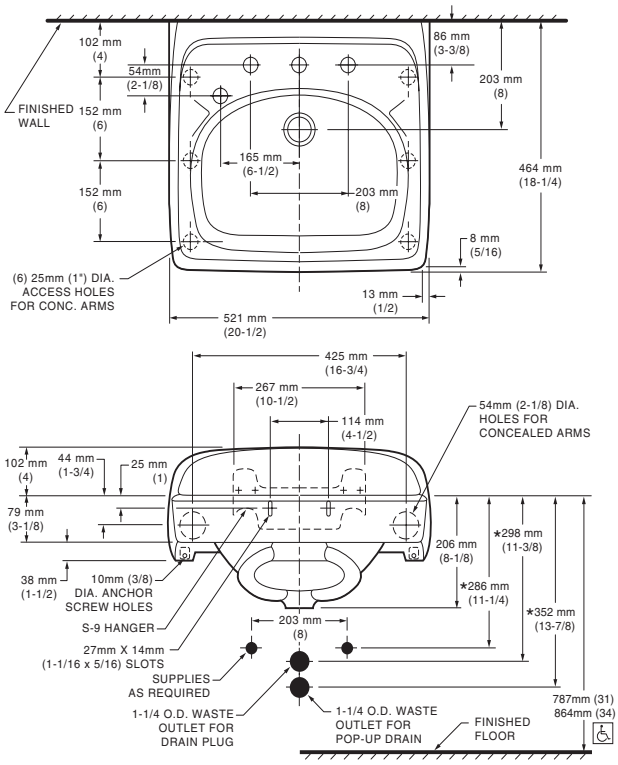
## 0356.015 8" CTRS FOR WALL HANGER OR CONCEALED ARMS




## 0356.037 8" CTRS FOR WALL HANGER OR CONCEALED ARMS EXTRA RIGHT HAND HOLE




## 0356.073 8" CTRS FOR WALL HANGER OR CONCEALED ARMS EXTRA LEFT HAND HOLE




**NOTES:**
* DIMENSIONS SHOWN FOR LOCATION OF SUPPLIES AND "P" TRAP ARE SUGGESTED.
PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS. FITTINGS NOT INCLUDED AND MUST BE ORDERED SEPARATELY. CONCEALED ARM SUPPORT AS REQUIRED TO BE FURNISHED BY OTHERS.

**IMPORTANT**: Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.

**LAVATORY DESIGNED TO MEET ADA HANDICAPPED GUIDELINES WITH MOUNTING HEIGHT SET AT 864MM (34") ABOVE FINISHED FLOOR.**



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American Standard
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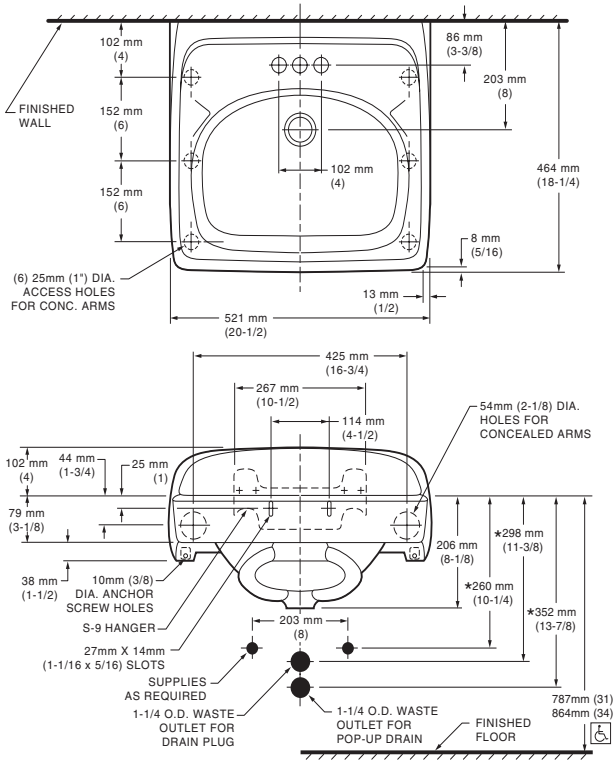
# LUCERNE™ WALL-HUNG LAVATORY
VITREOUS CHINA

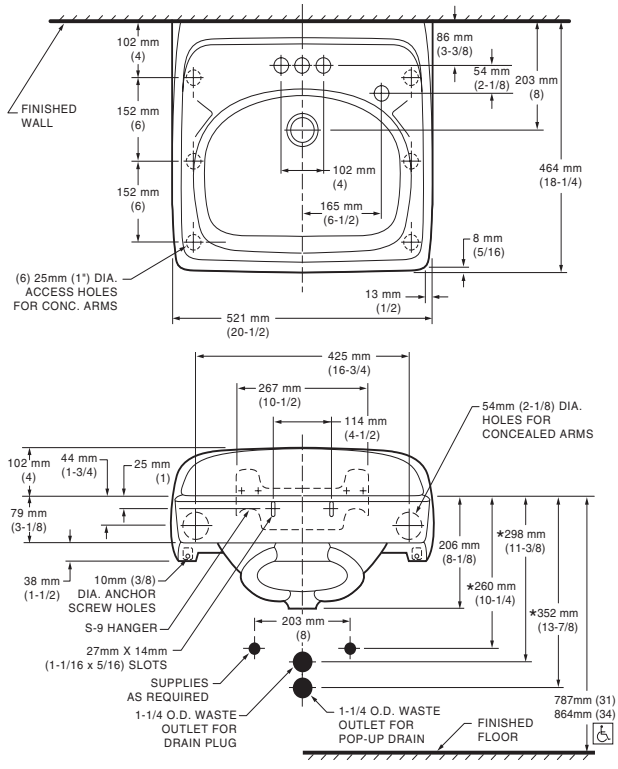
BARRIER FREE



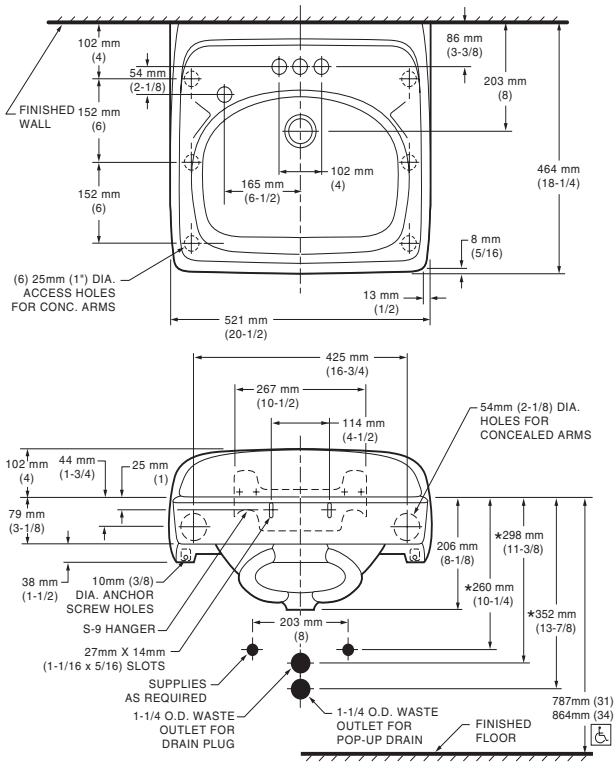
## 0355.012 4" CTRS FOR WALL HANGER OR CONCEALED ARMS




## 0355.034 4" CTRS FOR WALL HANGER OR CONCEALED ARMS EXTRA RIGHT HAND HOLE




## 0355.056 4" CTRS FOR WALL HANGER OR CONCEALED ARMS EXTRA LEFT HAND HOLE




**NOTES:**
* DIMENSIONS SHOWN FOR LOCATION OF SUPPLIES AND "P" TRAP ARE SUGGESTED.
PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS. FITTINGS NOT INCLUDED AND MUST BE ORDERED SEPARATELY. CONCEALED ARM SUPPORT AS REQUIRED TO BE FURNISHED BY OTHERS.

**IMPORTANT**: Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.

**LAVATORY DESIGNED TO MEET ADA HANDICAPPED GUIDELINES WITH MOUNTING HEIGHT SET AT 864MM (34") ABOVE FINISHED FLOOR.**



© 2008 AS America Inc.



MOORE Supply Co.

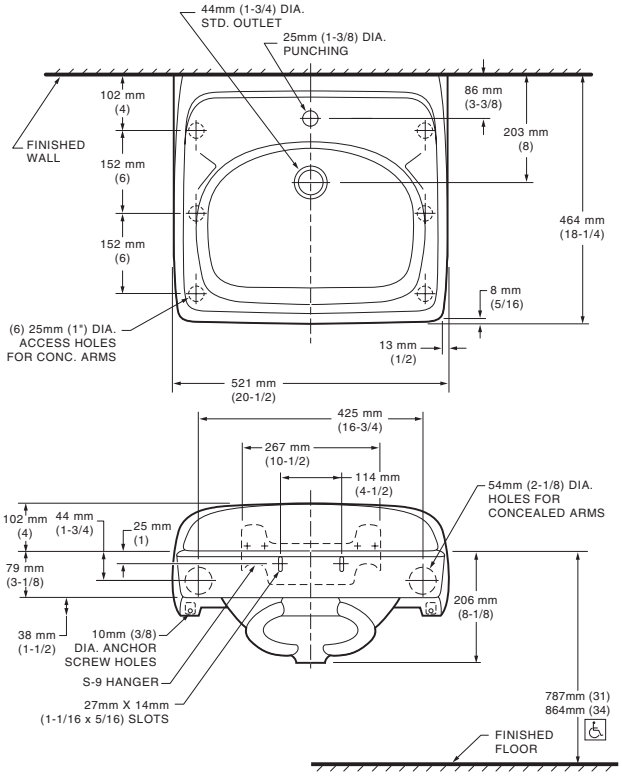
American Standard
Style That Works Better

BARRIER FREE

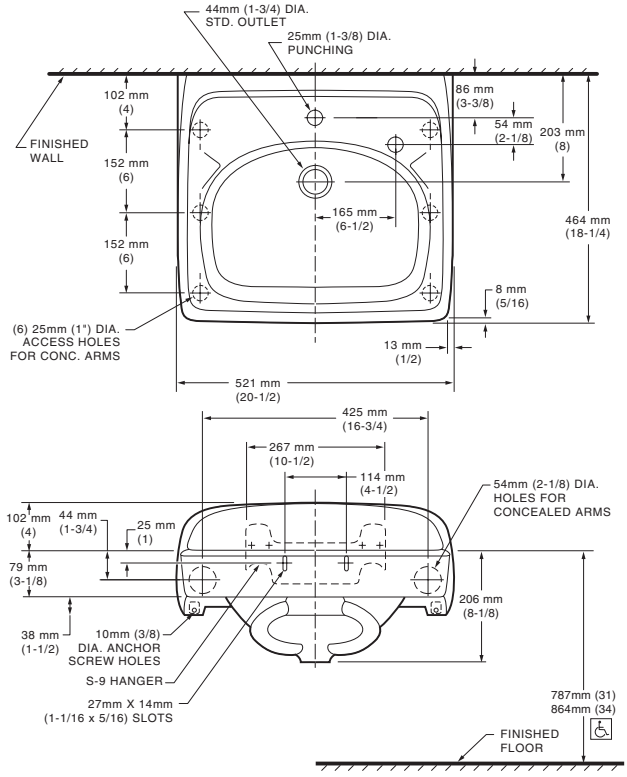
# LUCERNE™ WALL-HUNG LAVATORY
VITREOUS CHINA

AS0356015WH

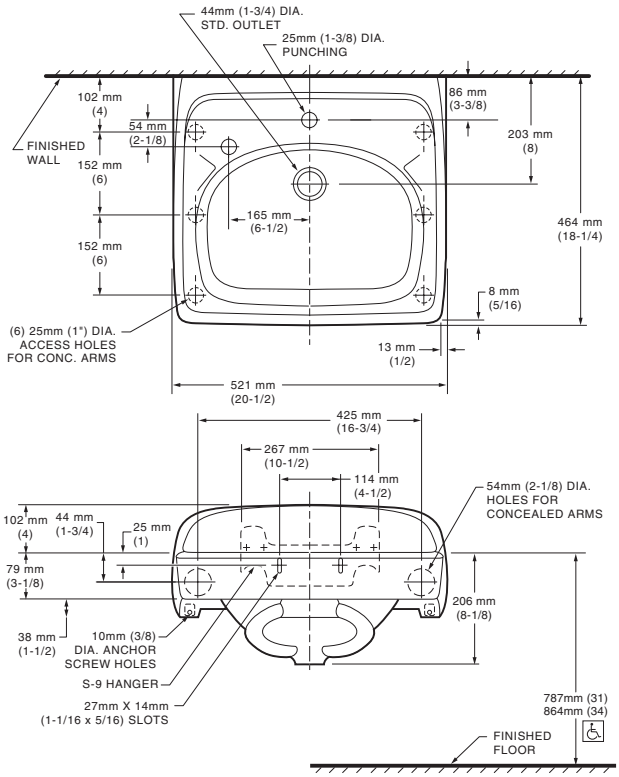
## 0356.421 SINGLE CENTER HOLE FOR WALL HANGER OR CONCEALED ARMS




## 0356.137 SINGLE CENTER HOLE FOR WALL HANGER OR CONCEALED ARMS WITH EXTRA RIGHT HAND HOLE




## 0356.115 SINGLE CENTER HOLE FOR WALL HANGER OR CONCEALED ARMS WITH EXTRA LEFT HAND HOLE




**NOTES:**
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PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS. FITTINGS NOT INCLUDED AND MUST BE ORDERED SEPARATELY. CONCEALED ARM SUPPORT AS REQUIRED TO BE FURNISHED BY OTHERS.

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**LAVATORY DESIGNED TO MEET ADA HANDICAPPED GUIDELINES WITH MOUNTING HEIGHT SET AT 864MM (34") ABOVE FINISHED FLOOR.**



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MOORE Supply Co.

# MECHANICAL FAUCETS

# 786-GN2FCCP

## Sink Faucets

### Product Type

Deck Mounted 8" Fixed Centers Concealed Hot and Cold Water Sink Faucet

### Features & Specifications

- 8" Fixed Centers
- 5 1/4" Flow Control Rigid / Swing Gooseneck Spout
- 4" Wristblade Handle
- Quaturn Compression Operating Cartridge
- 1/2" NPSM Supply Inlets and Coupling Nut for 3/8" or 1/2" Flexible Riser
- 1.5 GPM (5.7 L/min) Laminar Flow Control Insert in Spout Inlet
- CFNow! Item Ships in 5 Days

### Performance Specification

- Rated Operating Pressure: 20-125 PSI
- Rated Operating Temperature: 40-140ºF

### Warranty

- Lifetime Limited Faucet Warranty
- 5-Year Limited Cartridge Warranty
- 1-Year Limited Finish Warranty

### Codes & Standards

- ASME A112.18.1/CSA B125.1
- Certified to NSF/ANSI 61, Section 9 by CSA
- ADA ANSI/ICC A117.1

Job Name _____

Item Number _____

Section/Tag _____

Model Specified _____

Architect _____

Engineer _____

Contractor _____

[ ] Submitted as Shown [ ] Submitted with Variations

Date _____

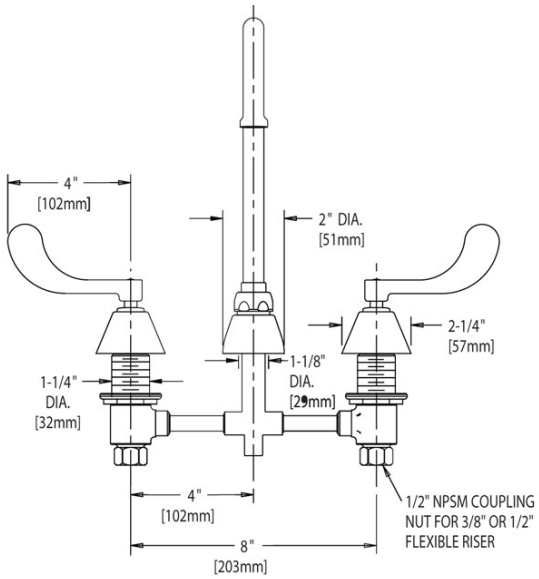
2100 South Clearwater Drive
Des Plaines, IL
P: 847/803-5000
F: 847/803-5454
Technical: 800/TEC-TRUE
www.chicagofaucets.com

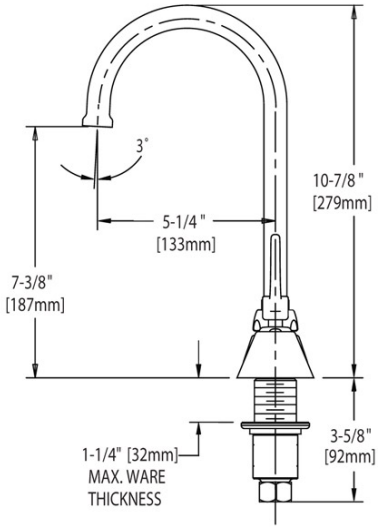
# 786-GN2FCCP

## Sink Faucets

### Architect/Engineer Specification

Chicago Faucets No. 786-GN2FCCP, Deck Mounted 8" Fixed Centers Concealed Hot and Cold Water Sink Faucet, polished chrome plated solid brass construction. 5 1/4" Center to Center Flow Control Rigid / Swing Gooseneck Spout. 1.5 GPM (5.7 L/min) Laminar Flow Control Insert in Spout Inlet. 4" Metal Wristblade handle(s) with Sixteen Point Tapered Broach and Secured Blue and Red Buttons. Quaturn™ rebuildable compression cartridge, opens and closes 90°, closes with water pressure, features square tapered stem. 1/2" NPSM Supply Inlets and Coupling Nut for 3/8" or 1/2" Flexible Riser. Mounting hardware included. This product meets ADA ANSI/ICC A117.1 requirements and is tested and certified to industry standards: ASME A112.18.1/CSA B125.1, and Certified to NSF/ANSI 61, Section 9 by CSA.




### Operation and Maintenance

Installation should be in accordance with local plumbing codes. Flush all pipes thoroughly before installation. After installation, remove spout outlet or flow control and flush faucet thoroughly to clear any debris. Care should be taken when cleaning the product. Do not use abrasive cleaners, chemicals or solvents as they can result in surface damage. Use mild soap and warm water for cleaning and protecting the life of Chicago Faucet products. For specific operation and maintenance refer to the installation instructions and repair parts documents that are located at www.chicagofaucets.com.

Chicago Faucets, member of the Geberit Group, is the leading brand of commercial faucets and fittings in the United States, offering a complete range of products for schools, laboratories, hospitals, office buildings, food service, airports and sport facilities. Call 1.800.TECTRUE or 1.847.803.5000 Option 1 for installation or other technical assistance.

2100 South Clearwater Drive
Des Plaines, IL
P: 847/803-5000
F: 847/803-5454
Technical: 800/TEC-TRUE
www.chicagofaucets.com

McGuire Manufacturing Co., Inc.
60 Grandview Court
P.O. Box 746 ♣Cheshire, CT 06410
203-699-1801 ♣ Fax: 203-699-1813
www.mcguiremfg.com

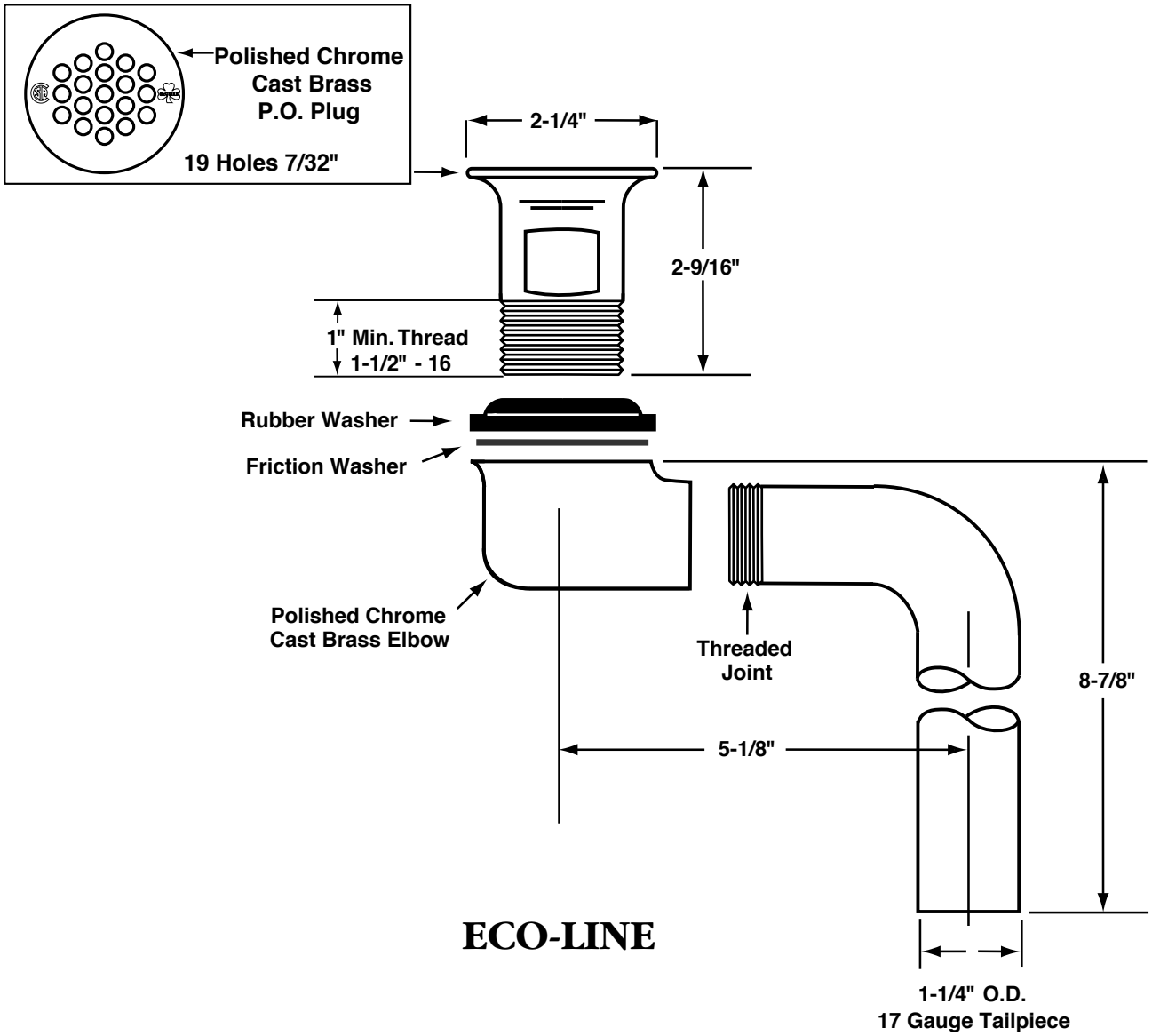
# PRODUCT SPECIFICATION

**Part No.**

**155WCECO**

**Offset Lavatory Grid Strainer**

**Job Name:** **Submittal Number:**




**ECO-LINE**

A.D.A.

Certified

## Specifications:

Cast Brass Chrome Plated Offset Wheelchair Strainer with polished chrome cast brass elbow, 17 gauge 1-1/4 inch seamless brass offset tailpiece, heavy rubber basin washer and fiber friction washer. Offset lavatory strainer shall be in compliance with CSA or other recognized testing authority and bear both manufacturer and testing mark.

© 2009 McGuire Manufacturing Company All rights reserved / III Strainers and P.O. Plugs / www.mcguiremfg.com/products

MG155WCECO

MOORE Supply Co.

McGuire Manufacturing Co., Inc.
60 Grandview Court
P.O. Box 746♣ Cheshire, CT 06410
203-699-1801♣ Fax: 203-699-1813
www.mcguiremfg.com

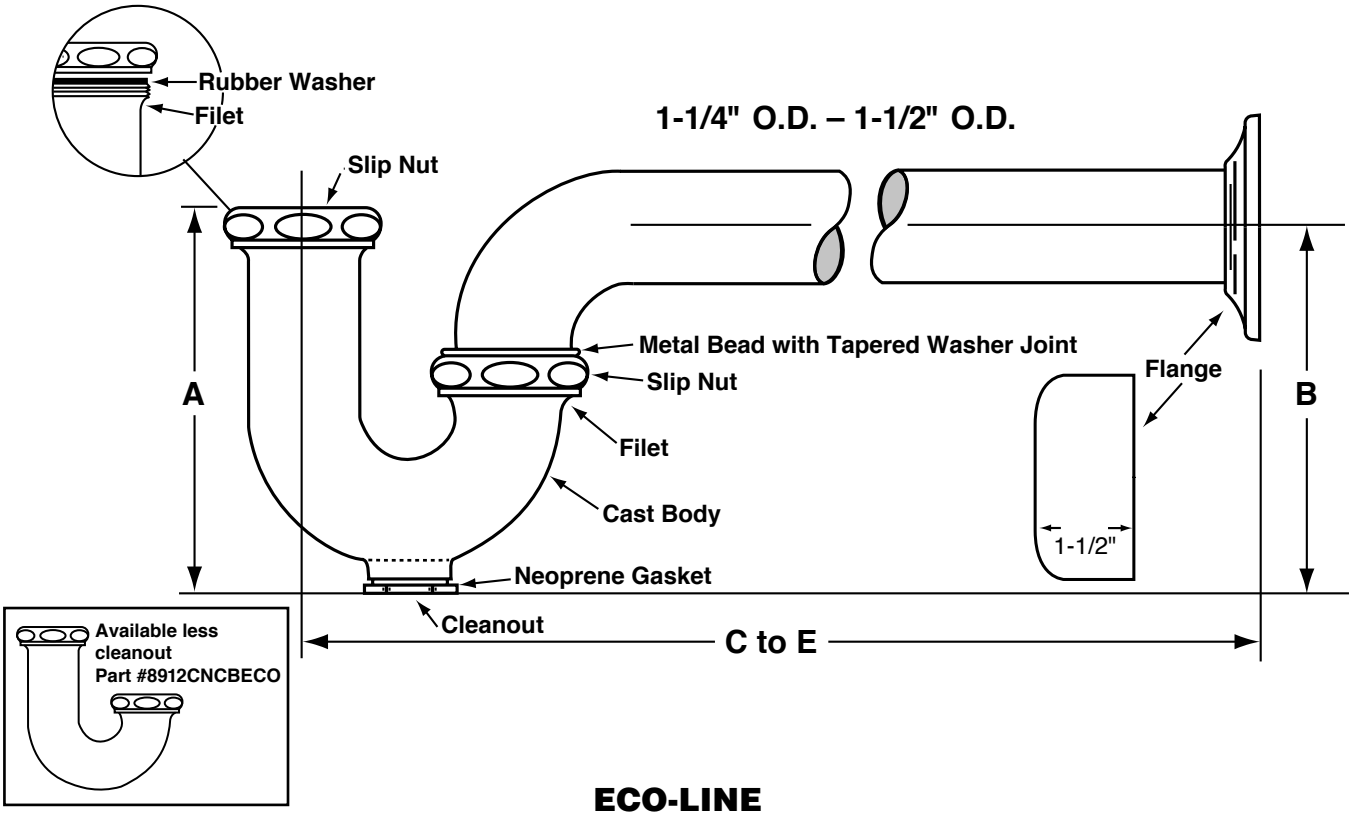
# PRODUCT SPECIFICATION

**Part No.**

8872CBECO, C8872CECO, 8904CBECO
8912CBECO, C8912CECO,
8912CNCBECO, 8912C18BECO

**Cast Body P-Trap With or Without Cleanout**

**Job Name:** **Submittal Number:**




## ECO-LINE

| ROUGHING MEASUREMENTS | | | | | | | |
|---|---|---|---|---|---|---|---|
| MODEL NO. | TRAP DIMENSIONS | | A | B | C to E | FLANGE | SLIP NUT |
| | INLET | OUTLET | | | | | |
| 8872CBECO | 1-1/4" | 1-1/4" | 5" | 4-1/2" | 11" | Box | Brass |
| C8872CECO | 1-1/4" | 1-1/4" | 5" | 4-1/2" | 10" | Shallow | Zinc |
| 8904CBECO | 1-1/2", 2" | 2" | 5" | 6" | 13" | Box | Brass |
| 8912CBECO | 1-1/2", 1-1/4" | 1-1/2" | 5" | 4-1/2" | 12" | Box | Brass |
| C8912CECO | 1-1/2" | 1-1/2" | 5" | 4-1/2" | 10-1/2" | Shallow | Zinc |
| 8912CNCBECO | 1-1/2", 1-1/4" | 1-1/2" | 4-5/8" | 4-1/8" | 12" | Box | Brass |
| 8912C18BECO | 1-1/2", 1-1/4" | 1-1/2" | 5" | 4-1/2" | 18" | Box | Brass |

**FED SPEC W.W.P. 541**
**CAST BRASS P-TRAP**
**MINIMUM SEAL 2"**

Certified

See options and accessories section for details on product variations.

## Specifications:

Chrome plated P-Trap shall be cast brass body, with or without cleanout, with 17 gauge seamless tubular wall bend and flange.

MG8872CBECO

MOORE Supply Co.

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McGUIRE MFG. CO., INC.
60 Grandview Court
P.O. Box 746 ♣ Cheshire, CT 06410
203-699-1801 ♣ Fax 203-699-1813
www.mcguiremfg.com

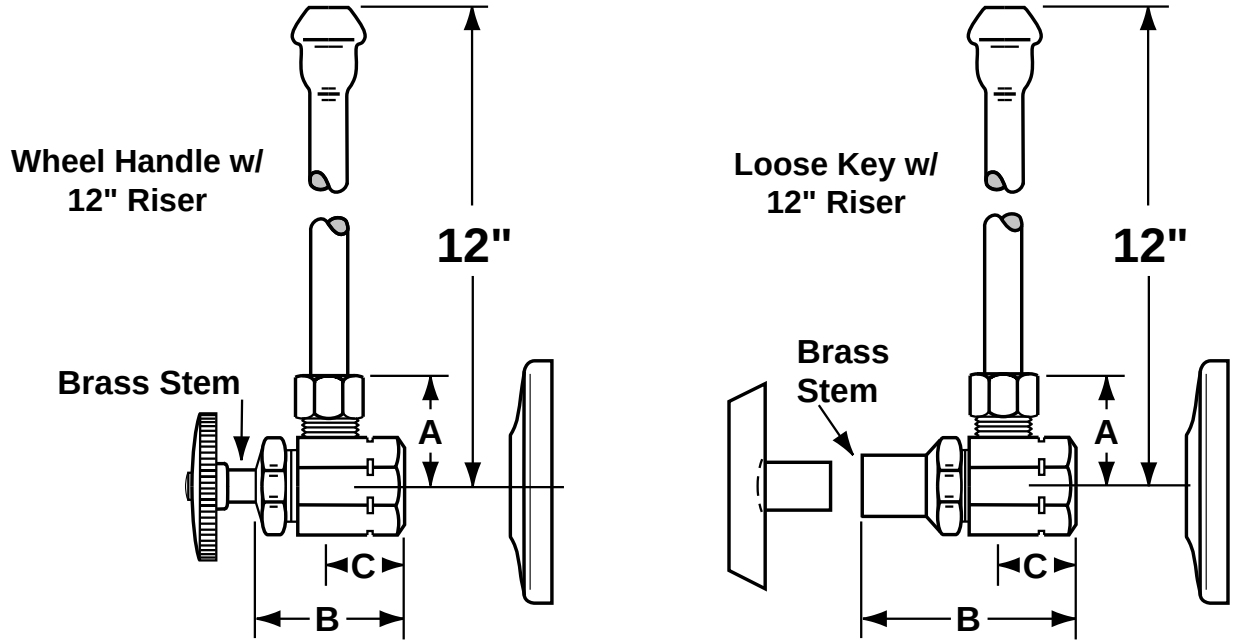
# Product Specification

**Part No.**

2165, 2165LK, 2167, 2167LK

Lavatory Supply
1/2" I.P.S. x O.D.

**Job Name:** **Submittal Number:**




| NO. | ROUGHING MEASUREMENTS | A | B | C |
|---|---|---|---|---|
| **2165** | 1/2" I.P.S. x 3/8" O.D. | 1 | 1-1/2" | 3/4" |
| **2165LK** | 1/2" I.P.S. x 3/8" O.D. | 1 | 2-1/4" | 3/4" |
| **2167** | 1/2" I.P.S. x 1/2" O.D. | 1 | 1-1/2" | 3/4" |
| **2167LK** | 1/2" I.P.S. x 1/2" O.D. | 1 | 2-1/4" | 3/4" |

**LK** designates *Loose Key*

CSA Certified

See options and accessories section for details on product variations.

## Specifications:

Supply kit shall include chrome plated brass stops with full turn brass stem, no plastic, (12, 15, 20) inch chrome plated copper risers and (shallow, deep, bell) (steel, brass) or (forged brass with set screw) flange. Inlet shall be (3/8, 1/2) inch (IPS, sweat, compression). Outlet shall be (3/8, 1/2) inch (IPS, compression). Supply kit shall be McGuire _____. Supply kit shall be certified by CSA or other recognized testing authority and bear manufacturer and testing mark. Stop to be certified to 200 psi line pressure.

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MG2165LK

MOORE Supply Co.

# LAV GUARD® 2
FAST FIT UNDERSINK PIPING COVERS

All New E-Z Series

*ADA-compliant undersink protection*

TRUEBRO® IPS CORPORATION

# Submittal Sheet

T102W

## General Description:

LAV GUARD® 2 E-Z Series waste and supply piping covers satisfy ADA compliance requirements. Built-in *E-Z Grip* internal fasteners and internal, *E-Z Tear-To-Fit* trimming feature allow for fast installation without tools. *Series #100 E-Z* kits are designed to fit on all tubular and cast brass P-trap assemblies. *Series #400* kits are the "original" LAV GUARD design and fit schedule 40 ABS and PVC P-trap assemblies — regardless of their geometry or rotational offset. Valve cover completely encloses angle valve and supply tube for both handled and keyed type water stops.

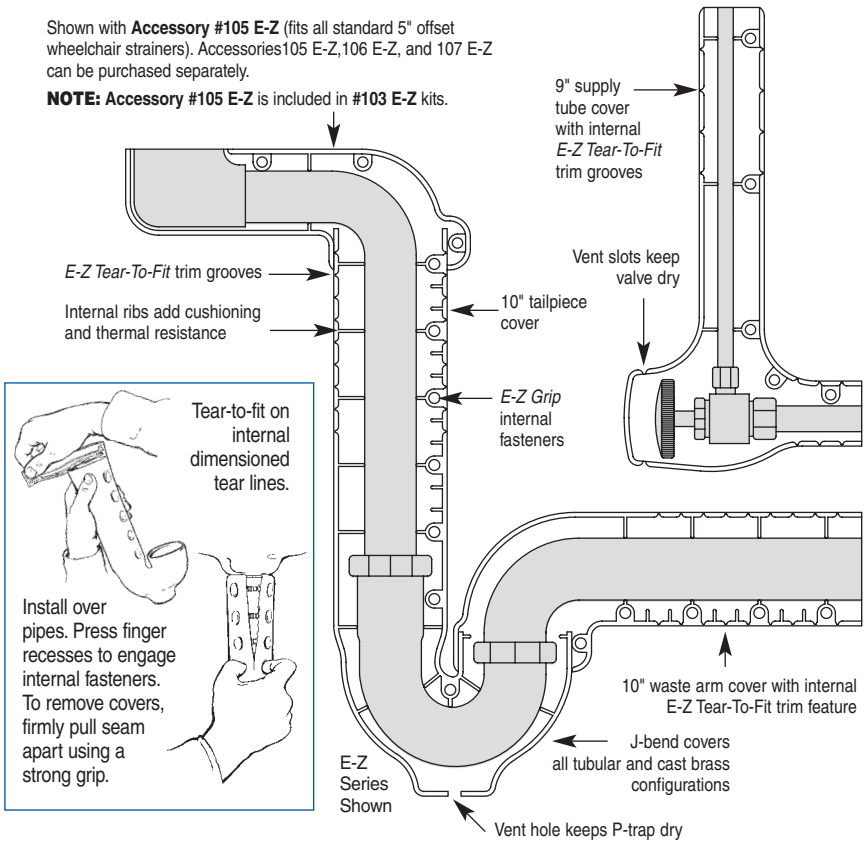
| | |
|---|---|
| Material | Molded vinyl |
| Nominal Wall | 1/8" constant |
| Durometer | 70 - 80 - Shore A |
| UV Protection | Will not fade or discolor |
| Durability | Virtually indestructible |
| Trimming (E-Z Series) | Internal, *E-Z Tear-To-Fit* trim feature |
| Fasteners (E-Z Series) | Internal *E-Z Grip* fasteners (reusable) |
| Color | China white |
| Paintability | Apply Latex paint |
| Burning Characteristics ASTM D-635 | Self extinguished 0 sec (ATB) 0 mm (AEB) |
| Bacteria/Fungus Resistance | ASTM G21 and G22/ Result: 0 growth |
| Maintenance | Use common detergents |

Manufactured under one or more of the following U.S. or Canadian patents. Other patents pending.

5,303,730 5,360,031 5,524,669 5,564,463 5,678,598 5,699,828 5,915,412 5,915,413 5,901,739 5,960,820 2,075,324 2,119,427 2,136,027 2,158,083

TRUEBRO® IPS CORPORATION

IPS Corporation, 202 Industrial Park Lane, Collierville, TN 38017
(901) 853-5001 (800) 340-5969 FAX: (901) 853-5008
e-mail: info@truebro.com Internet: http://www.truebro.com


Shown with **Accessory #105 E-Z** (fits all standard 5" offset wheelchair strainers). Accessories105 E-Z,106 E-Z, and 107 E-Z can be purchased separately.
**NOTE: Accessory #105 E-Z** is included in **#103 E-Z** kits.
9" supply tube cover with internal *E-Z Tear-To-Fit* trim grooves
*E-Z Tear-To-Fit* trim grooves
Internal ribs add cushioning and thermal resistance
10" tailpiece cover
Vent slots keep valve dry
*E-Z Grip* internal fasteners
Tear-to-fit on internal dimensioned tear lines.
Install over pipes. Press finger recesses to engage internal fasteners. To remove covers, firmly pull seam apart using a strong grip.
10" waste arm cover with internal E-Z Tear-To-Fit trim feature
J-bend covers all tubular and cast brass configurations
E-Z Series Shown
Vent hole keeps P-trap dry

***#100 E-Z Series*** *(shown above right) for tubular and cast brass P-trap assemblies.*
***#400W* Series*** *(original design) for schedule 40 P-trap assemblies.*

☐ **Model #99 E-Z**
One angle valve and supply cover

☐ **Model #100 E-Z**
One P-trap cover

☐ **Model #400W***
One P-trap cover

☐ **Model #101 E-Z**
One P-trap cover, one angle valve cover

☐ **Model #401W***
One P-trap cover, one angle valve cover

☐ **Model #102 E-Z**
One P-trap cover, two angle valves and covers

☐ **Model #402W***
One P-trap cover, two angle valves and covers

☐ **Model #103 E-Z**
One P-trap cover, two angle valves and supply covers, one 5" offset tailpiece wheelchair strainer cover

☐ **Accessory #105 E-Z**
One 5" offset tailpiece wheelchair strainer assembly

*All #400W series items are the "original" LAV GUARD® design and construction. Specifications may change without notice.

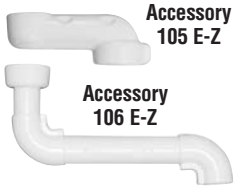
☐ **Accessory #105-K**
Kohler 6" offset

☐ **Accessory #106 E-Z**
One basket strainer cover and offset waste cover (adjustable to 18")

☐ **Accessory #107 E-Z**
Two basket strainer covers and center or end outlet waste cover (adjustable)

☐ **Accessory #Ex99 E-Z**
One 16" extension for water supply

☐ **Accessory #Ex100 E-Z**
One 16" extension for drain waste arm or tailpiece




**Accessory 107 E-Z**
(Configuration Options Shown)

Job/Location _____

Designer _____

TRUEBRO reserves the right to make product and material changes at any time without notice. 2/07

MOORE Supply Co.

# LAV GUARD® 2

FAST FIT UNDERSINK PIPING COVERS

All New E-Z Series

*ADA-compliant undersink protection*

TRUEBRO® IPS CORPORATION

# Submittal Sheet

T105W

## General Description:

LAV GUARD® 2 E-Z Series waste and supply piping covers satisfy ADA compliance requirements. Built-in *E-Z Grip* internal fasteners and internal, *E-Z Tear-To-Fit* trimming feature allow for fast installation without tools. *Series #100 E-Z* kits are designed to fit on all tubular and cast brass P-trap assemblies. *Series #400* kits are the "original" LAV GUARD design and fit schedule 40 ABS and PVC P-trap assemblies — regardless of their geometry or rotational offset. Valve cover completely encloses angle valve and supply tube for both handled and keyed type water stops.

| | |
|---|---|
| Material | Molded vinyl |
| Nominal Wall | 1/8" constant |
| Durometer | 70 - 80 - Shore A |
| UV Protection | Will not fade or discolor |
| Durability | Virtually indestructible |
| Trimming (E-Z Series) | Internal, *E-Z Tear-To-Fit* trim feature |
| Fasteners (E-Z Series) | Internal *E-Z Grip* fasteners (reusable) |
| Color | China white |
| Paintability | Apply Latex paint |
| Burning Characteristics ASTM D-635 | Self extinguished 0 sec (ATB) 0 mm (AEB) |
| Bacteria/Fungus Resistance | ASTM G21 and G22/ Result: 0 growth |
| Maintenance | Use common detergents |

Manufactured under one or more of the following U.S. or Canadian patents. Other patents pending.

5,303,730 5,360,031 5,524,669 5,564,463 5,678,598 5,699,828 5,915,412 5,915,413 5,901,739 5,960,820 2,075,324 2,119,427 2,136,027 2,158,083

TRUEBRO® IPS CORPORATION

IPS Corporation, 202 Industrial Park Lane, Collierville, TN 38017
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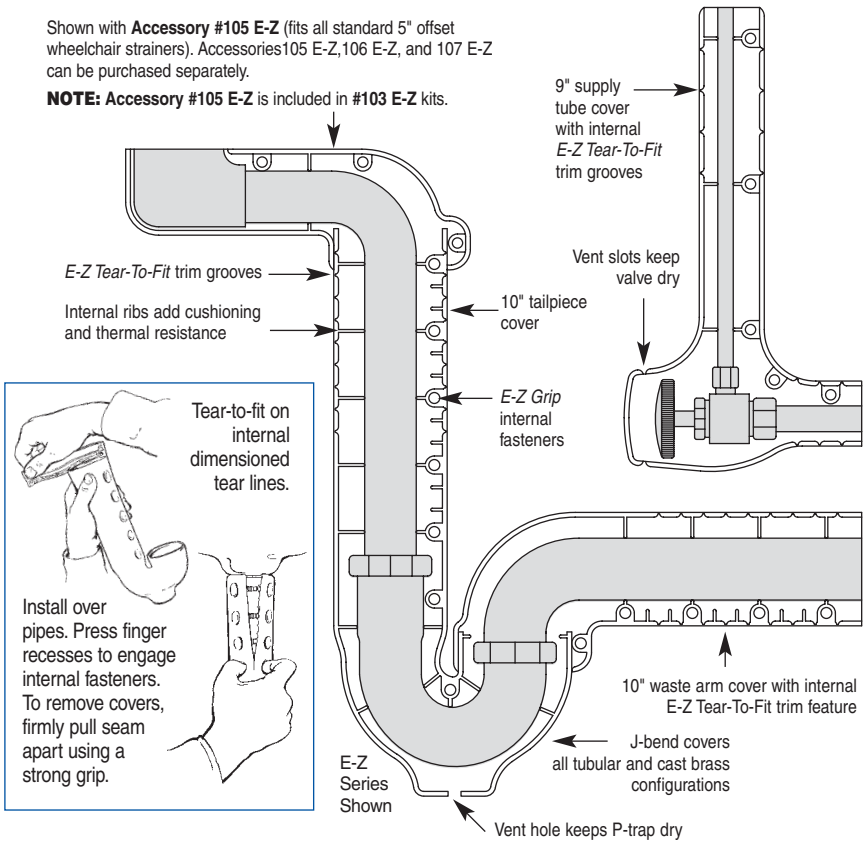
e-mail: info@truebro.com Internet: http://www.truebro.com


Shown with **Accessory #105 E-Z** (fits all standard 5" offset wheelchair strainers). Accessories105 E-Z,106 E-Z, and 107 E-Z can be purchased separately.
**NOTE: Accessory #105 E-Z** is included in **#103 E-Z** kits.
9" supply tube cover with internal *E-Z Tear-To-Fit* trim grooves
*E-Z Tear-To-Fit* trim grooves
Internal ribs add cushioning and thermal resistance
Vent slots keep valve dry
10" tailpiece cover
*E-Z Grip* internal fasteners
Tear-to-fit on internal dimensioned tear lines.
Install over pipes. Press finger recesses to engage internal fasteners. To remove covers, firmly pull seam apart using a strong grip.
10" waste arm cover with internal E-Z Tear-To-Fit trim feature
J-bend covers all tubular and cast brass configurations
E-Z Series Shown
Vent hole keeps P-trap dry

***#100 E-Z Series*** *(shown above right) for tubular and cast brass P-trap assemblies.*
***#400W* Series*** *(original design) for schedule 40 P-trap assemblies.*

☐ **Model #99 E-Z**
One angle valve and supply cover

☐ **Model #100 E-Z**
One P-trap cover

☐ **Model #400W***
One P-trap cover

☐ **Model #101 E-Z**
One P-trap cover, one angle valve cover

☐ **Model #401W***
One P-trap cover, one angle valve cover

☐ **Model #102 E-Z**
One P-trap cover, two angle valves and covers

☐ **Model #402W***
One P-trap cover, two angle valves and covers

☐ **Model #103 E-Z**
One P-trap cover, two angle valves and supply covers, one 5" offset tailpiece wheelchair strainer cover

☐ **Accessory #105 E-Z**
One 5" offset tailpiece wheelchair strainer assembly

*All #400W series items are the "original" LAV GUARD® design and construction. Specifications may change without notice.

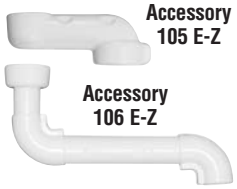
☐ **Accessory #105-K**
Kohler 6" offset

☐ **Accessory #106 E-Z**
One basket strainer cover and offset waste cover (adjustable to 18")

☐ **Accessory #107 E-Z**
Two basket strainer covers and center or end outlet waste cover (adjustable)

☐ **Accessory #Ex99 E-Z**
One 16" extension for water supply

☐ **Accessory #Ex100 E-Z**
One 16" extension for drain waste arm or tailpiece




**Accessory 107 E-Z**
(Configuration Options Shown)

Job/Location _____

Designer _____

TRUEBRO reserves the right to make product and material changes at any time without notice. 2/07

MOORE Supply Co.

** U-1 **

MOORE Supply Co.

American Standard
Style That Works Better

BARRIER FREE

# WASHBROOK® FloWise® 0.125 GPF ULTRA HIGH EFFICIENCY URINAL SYSTEM
MANUAL FLUSH VALVE

/00021258186

## WASHBROOK® FloWise® 0.125 GPF ULTRA HIGH EFFICIENCY URINAL SYSTEM

❑ **6590.503** 0.125 gpf Exposed Top Spud Urinal and Manual Piston-Type Urinal Flush Valve

### URINAL:
- Vitreous china
- Ultra High Efficiency, Low Consumption. Operates in the range of 0.125 gpf to 1.0 gpf (0.5 Lpf to 3.8 Lpf)
- Flushing rim
- Elongated 14" rim from finished wall
- Washout flush action
- Extended sides for privacy
- 3/4" inlet spud
- Outlet connection threaded 2" inside (NPTF)
- Strainer included
- Meets ASME flush requirements at 0.125 gpf
- Model 6590.001 top spud

### MANUAL FLUSH VALVE:
- Self-cleaning brass piston with integral wiper spring prevents clogging and reduces maintenance
- Piston operation delivers superior flush accuracy and repeatability
- Piston valve remains closed and does not need to be reset after loss of water pressure
- Non-hold open handle
- Positive seal ensures leak-free performance
- No external volume adjustment
- Durable chrome-plated cast brass construction is ideal for commercial applications
- Chloramine-resistant EPDM seals
- Adjustable tailpiece for rough-in flexibility
- Can be installed left or right hand
- Model 6045.013 for 3/4" top spud urinals, 0.125 gpf

**Includes:**
- 2 Wall hangers
- 3/4" I.P.S. angle stop with back-flow protection and vandal-resistant cap
- Sweat solder kit including cover tube and wall flange
- High back pressure vacuum breaker with down tube
- Spud coupling and flange for 3/4" top spud

**To Be Specified:**
❑ Color: ❑ White

**MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES - CHECK LOCAL CODES.**
● When installed so top of rim is 387mm (15-1/4") from finished floor.

SEE REVERSE FOR ROUGHING-IN DIMENSIONS

**Operating Pressure:**
Overall Range: 20-125 psi**
Recommended: 20 psi (flowing)-80 psi (static)

** Water pressure over 80 psi is not recommended for most plumbing fixtures.

**Flow Requirement:**
8gpm (30.3 L/min.)

**Nominal Fixture Dimensions:**
360 x 480 x 664mm (14-1/8" x 18-7/8" x 26-1/8")

**Fixture Compliance Certifications - Meets or Exceeds the Following Specifications:**
- ASME A112.19.2-2008/CSA B45.1-08 for Vitreous China Fixtures

**Valve Listings:**
- ASSE 1037
- ANSI/ASME A112.19.2
- ADA Compliant

WATER EFFICIENT PRODUCT



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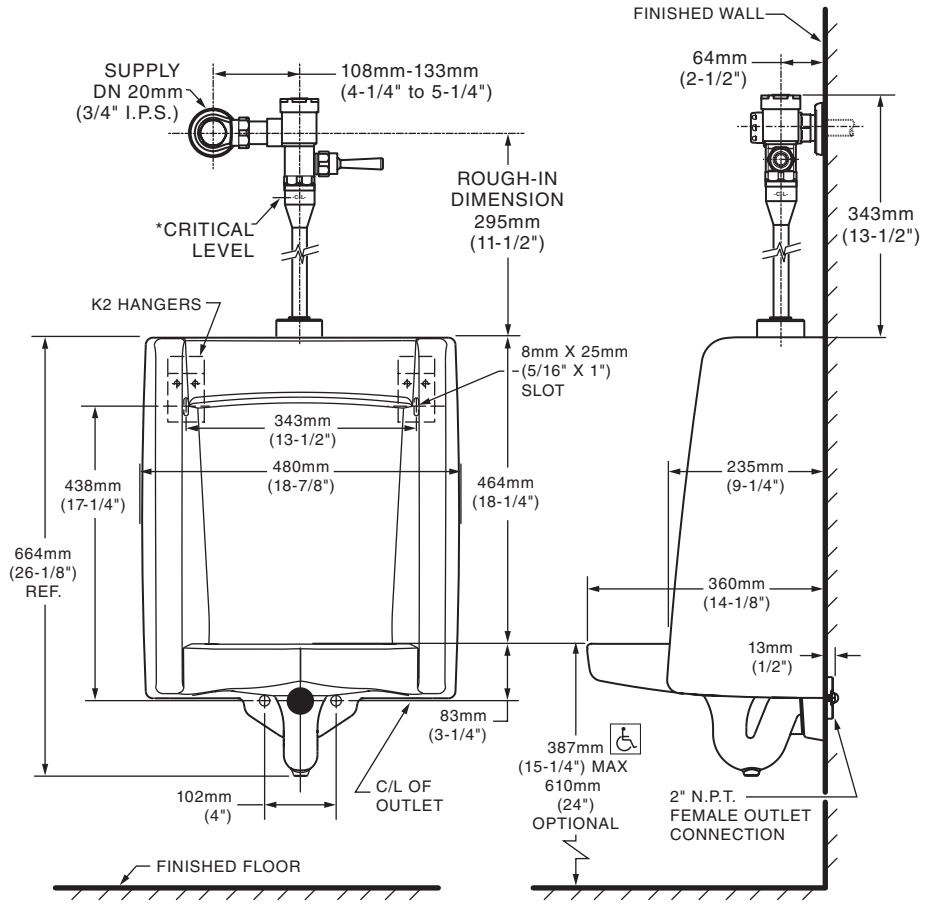
MOORE Supply Co.

American Standard
Style That Works Better

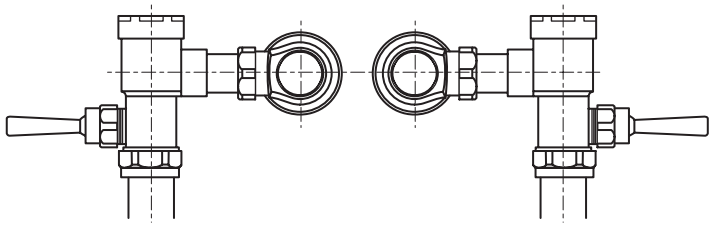
BARRIER FREE

# WASHBROOK® FloWise® 0.125 GPF ULTRA HIGH EFFICIENCY URINAL SYSTEM

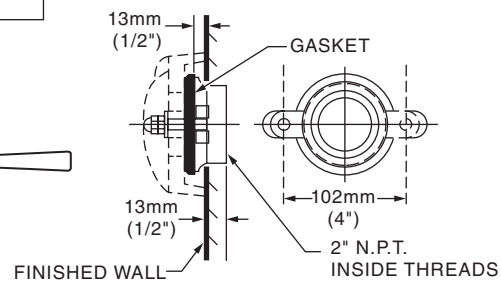
## MANUAL FLUSH VALVE




*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be a minimum of 6" (152mm) above fixture. Consult Codes for details.



VALVE LEFT or RIGHT HAND INSTALLATION




DETAIL OF OUTLET CONNECTION

**NOTES:**
PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORTS.

**IMPORTANT**: Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2. These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages.



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/0002125818 6

MOORE Supply Co.

** WC-1,WC-2 **

MOORE Supply Co.

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BARRIER FREE

# AFWALL® FloWise® 1.28 GPF FLUSHOMETER TOILET SYSTEM

with EVERCLEAN®
MANUAL FLUSH VALVE

/000212984O4

## AFWALL® FloWise® 1.28 GPF FLUSHOMETER TOILET SYSTEM with EVERCLEAN®

❑ **2856.128** 1.28 gpf Exposed Top Spud Bowl and Manual Flush Valve

**BOWL:**
- Wall-mount elongated flushometer valve toilet
- Vitreous china
- High Efficiency, Low Consumption. Operates in the range of 1.1 gpf to 1.6 gpf (4.2 Lpf to 6.0 Lpf)
- Meets definition of HET (High Efficiency Toilet) when used with a high efficiency flush valve (1.28 gpf or 1.6 / 1.1 gpf Dual Flush)
- Permanent EverClean® surface inhibits the growth of stain- and odor-causing bacteria, mold, and mildew on the surface
- Condensation channel
- Direct-fed siphon jet action
- 1-1/2" inlet spud
- Fully-glazed 2-1/8" trapway
- 10" x 12" water surface area
- 100% factory flush tested
- Bolt caps and seat not included
- Model 3351.001

**MANUAL FLUSH VALVE:**
- Manual Piston-Type Water Closet Flush Valve for floor-mounted or wall-hung 1-1/2" top spud bowls
- Self-cleaning brass piston with integral wiper spring prevents clogging and reduces maintenance
- Piston operation delivers superior flush accuracy and repeatability
- Piston valve remains closed and does not need to be reset after loss of water pressure
- Non-hold open handle
- Positive seal ensures leak-free performance
- No external volume adjustment
- Durable chrome-plated cast brass construction is ideal for commercial applications
- Chloramine-resistant EPDM seals
- Adjustable tailpiece for rough-in flexibility
- Can be installed left or right handed
- Model 6047.121.002

**Includes:**
- 047007-0070A Inlet spud (furnished with bowl)
- 1" I.P.S. angle stop with back-flow prevention and vandal-resistant cap
- Sweat solder kit including cover tube and wall flange
- High back pressure vacuum breaker with down tube
- Spud coupling & flange for 1-1/2" top spud

**To Be Specified:**
- ❑ Color: ❑ White
- ❑ Seat: 5901.100 American Standard Seat
- ❑ 5901.110 American Standard Seat with EverClean®
- ❑ Alternate Seat: 5905.100 Heavy Duty American Standard Seat
- ❑ 5905.110 Heavy Duty American Standard Seat with EverClean
- ❑ Carrier Fitting (by others):

SEE REVERSE FOR ROUGHING-IN DIMENSIONS

**System MaP* Score:**
- 1,000 grams of miso @ 1.28 gpf

* Maximum Performance (MaP) testing performed by IAPMO R&T Lab. MaP Report conducted by Veritec Consulting, Inc. and Koeller and Company.

**Operating Pressure:**
Overall Range: 20-125 psi**
Recommended: 25 psi (flowing)-80 psi (static)

** Water pressure over 80 psi is not recommended for most plumbing fixtures.

**Flow Requirement:**
25gpm (94.6 L/min.)

**Nominal Fixture Dimensions:**
660 x 356 x 381mm (26" x 14" x 15")

**Fixture Compliance Certifications - Meets or Exceeds the Following Specifications:**
- ASME A112.19.2-2008 / CSA B45.1-08 for Vitreous China Fixtures

**Valve Listings:**
- ASSE 1037
- ANSI/ASME A112.19.2
- ADA Compliant

EVERCLEAN® Surface

WATER EFFICIENT PRODUCT



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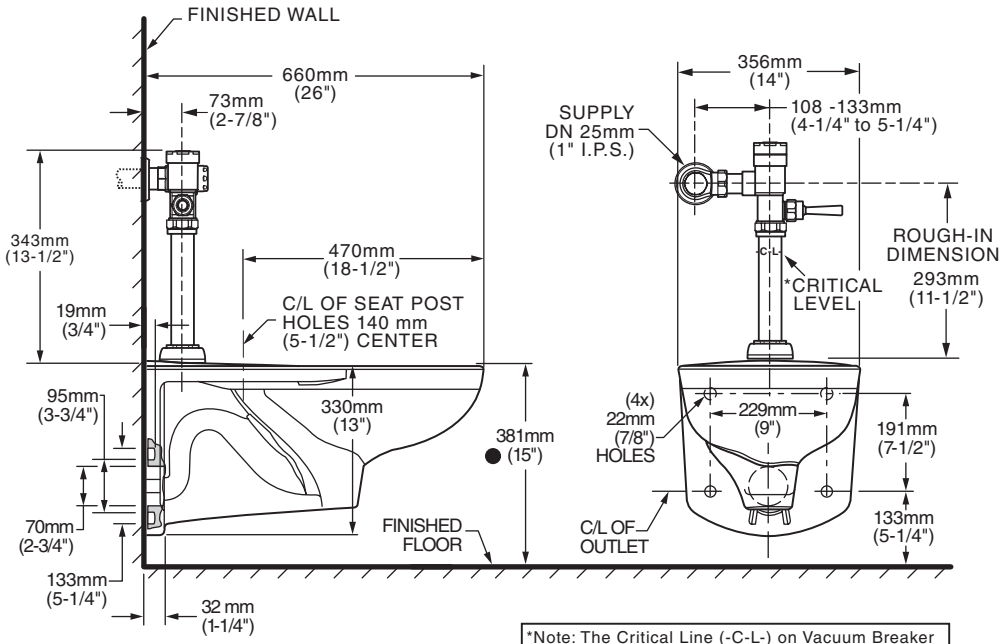
BARRIER FREE

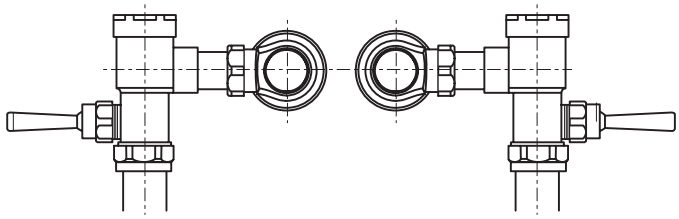
# AFWALL® FloWise® 1.28 GPF FLUSHOMETER TOILET SYSTEM

with EVERCLEAN®
MANUAL FLUSH VALVE

/00021298404




*Note: The Critical Line (-C-L-) on Vacuum Breaker must typically be a minimum of 6" (152mm) above fixture. Consult Codes for details.



**Valve Left or Right Hand Installation**

**MEETS THE AMERICANS WITH DISABILITIES ACT GUIDELINES AND ANSI A117.1 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES - CHECK LOCAL CODES.**

● When installed so that top of seat is 432 to 483mm (17" to 19") from the finished floor.

**NOTES:**
**WASTE OUTLET SEAL RING MUST BE NEOPRENE OR GRAPHITE-FELT (WAX RING NOT RECOMMENDED).**
SUGGESTED 2mm (1/16) CLEARANCE BETWEEN FACE OF WALL AND BACK OF BOWL.
TO COMPLY WITH AREA CODE GOVERNING THE HEIGHT OF VACUUM BREAKER ON THE FLUSHOMETER VALVE, THE PLUMBER MUST VERIFY DIMENSIONS SHOWN FOR SUPPLY ROUGHING.
CARRIER FITTING AS REQUIRED TO BE FURNISHED BY OTHERS.
PROVIDE SUITABLE REINFORCEMENT FOR ALL WALL SUPPORT.

**IMPORTANT:** Dimensions of fixtures are nominal and may vary within the range of tolerances established by ANSI Standard A112.19.2.
These measurements are subject to change or cancellation. No responsibility is assumed for use of superseded or voided pages



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MOORE Supply Co.

BEMIS®

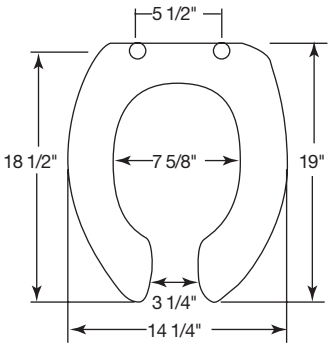
COMMERCIAL PLASTIC SEATS

B1655CWHI

# 1655C

Seats shall be No. _____ as manufactured by Bemis Manufacturing Co. Seats shall be extra heavy weight and injection molded of solid plastic. Seats shall be open front less cover for elongated bowl and feature large molded-in bumpers. External check hinges to feature 300 Series stainless steel posts that stop seat 11 degrees beyond vertical. Uses 300 Series stainless steel hardware. Color to be _____. (specify white or fixture manufacturer's color) Hinges shall be _____. (specify hinge type)

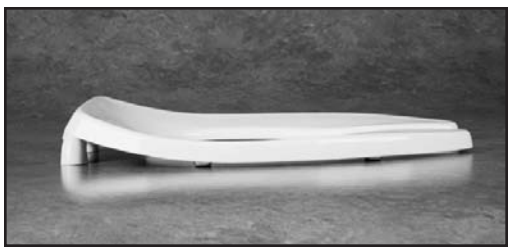
**1655C** External check hinge stops seat 11° beyond vertical.
**1655SSC** Stainless steel, self-sustaining and external check hinge holds seat in any raised position up to 11° beyond vertical.




Ring thickness is 1"
Ring thickness including the bumper is 1-3/16"

**EXTERNAL CHECK HINGES WITH 300 SERIES STAINLESS STEEL POST**

**EXTERNAL CHECK HINGE**



**1655C PROFILE**

**** ANSI Z124.5 section 5.1.2 Tests have shown that this product will support weights up to 500 pounds.****
**(Contact Bemis Mfg. Co., for test data)**

**Bemis Manufacturing Co., Sheboygan Falls, WI 53085**
**www.BemisSeats.com**
**Phone: 920-467-4621 800-558-7651 Fax: 920-467-8573**
**©2007 0B701 2106**

MOORE Supply Co.

** LS-1 **

MOORE Supply Co.

ROUGHING IN DIMENSIONS MAY VARY AND ARE SUBJECT TO CHANGE. NO RESPONSIBILITY IS ASSUMED FOR USE OF SUPERCEDED OR VOIDED DATA.

/0002125818 9

CHICAGO FAUCETS®
a Geberit company

2100 South Clearwater Drive
Des Plaines, IL 60018
Phone: 847-803-5000
Fax: 847-803-5454
www.chicagofaucets.com

FOR TECHNICAL ASSISTANCE
1-800-TEC-TRUE (1-800-832-8783)

# ROUGH-IN

| | |
|---|---|
| BY: JAR | DATE: 01-08-03 |
| CHK: | REV: 08-18-10 |

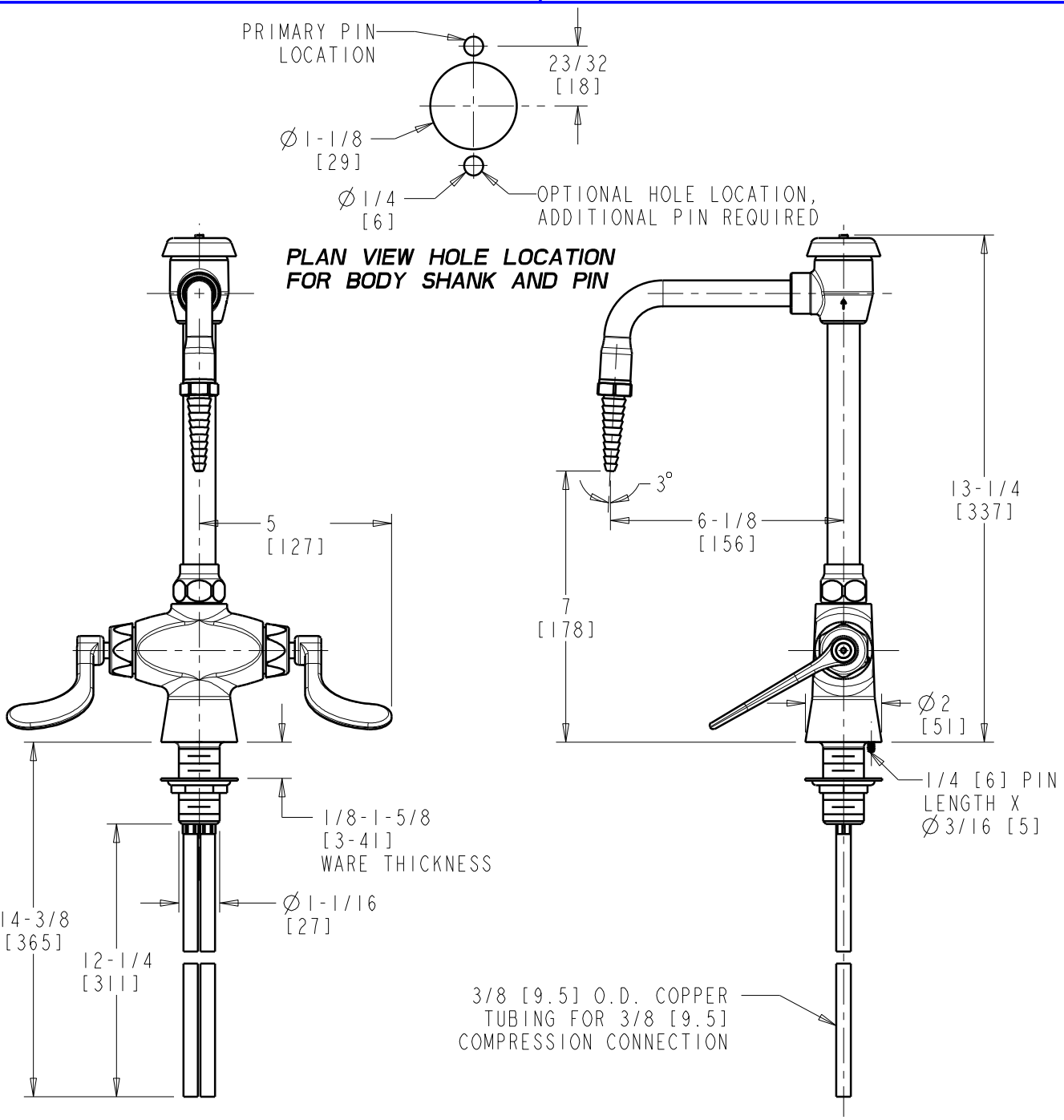
FITTING NO.
930-VR317

SUBMITTED MODEL NO.

| | | | | | |
|---|---|---|---|---|---|
| SUBMITTED AS SHOWN | | SUBMITTED AS NOTED | | SEE ATTACHED FOR SUBMITTED MODIFICATION | |

JOB NAME

ITEM NO.




DIMENSIONS ARE IN INCHES AND [MILLIMETERS].

## TECHNICAL DATA

- DECK MOUNTED VANDAL RESISTANT COMBINATION LABORATORY FITTING
- RIGID ONLY VACUUM BREAKER SPOUT
- CAP NUT WITH SET SCREW AND BODY DECK PIN
- 317 INDEXED WRISTBLADE HANDLES WITH VANDAL RESISTANT SCREWS
- QUATURN OPERATING CARTRIDGES
- FINISH: CHROME PLATE
- E7 SERRATED NOZZLE OUTLET
- ASME A112.18.1/CSA B125.1 COMPLIANT
- ADA ANSI/ICC A117.1 COMPLIANT
- ASSE 1001 COMPLIANT
- CSA B64.1.1 COMPLIANT

ADA COMPLIANT

MOORE Supply Co.

** SH-1 **

MOORE Supply Co.

AQUATIC
Where Inspiration Takes Shape

**Aquatic products may be specified as Lasco Bathware.**

# Submittal Sheet

ADA Compliant **1363BFSC**

L1363BFSCLWH

CUSTOMER: _____ JOB NAME: _____

PO #: _____ SHIP TO: _____

QUOTE #: _____ QUANTITY:_____

_____ ___/___/___ _____ ___/___/___
PLUMBING CONTRACTOR APPROVAL DATE GENERAL CONTRACTOR APPROVAL DATE

_____ ___/___/___ _____ ___/___/___
ENGINEER APPROVAL DATE ARCHITECT APPROVAL DATE

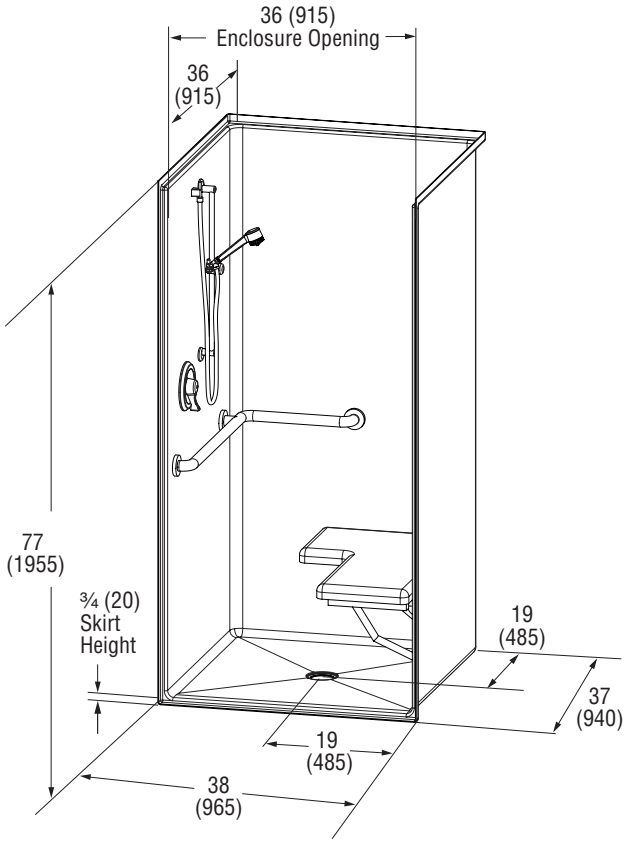
To complete your order, this document must be signed and faxed to the Aquatic Centralized Customer Service Center.
**Fax (866) 544-5353 • Phone (800) 945-2726**

**IMPORTANT:** ADA compliant showers with NO interior threshold will have water escape onto the bathroom floor.
Aquatic highly recommends you take the following precautions:

1. Install only the minimum number of ADA units without an interior threshold required for each job.
   If possible install Aquatic's accessible models that have a ½ (15) interior threshold to reduce the amount of water that escapes from the shower.
2. When installing units with NO interior threshold, install a FLOOR DRAIN to control the water that escapes onto the bathroom floor.
3. Depending on your application, you may choose to install Aquatic's vinyl flexible dam or removable threshold, which helps better retain water within the shower. However, these items may not necessarily meet ADA or other code requirements. Always confirm code compliance with your local building authority.

| | |
|---|---|
| Int. Dim. | 36 W x 36 D x 75 H (915 x 915 x 1905) |
| Ext. Dim. | 38 W x 38 ¼ D x 77 H (965 x 970 x 1955) |
| Skirt Ht. | ¾ (20) skirt, NO interior threshold |
| Packaged Wt. | 182 lbs. (85 kg.) gross |
| Material | Gelcoat |
| Warranty | Gelcoat Finished Products — Three Years |

inches (mm)




## STANDARD FEATURES

- Code compliant when fully equipped and installed according to guidelines
- Pre-leveled base
- Center drain location
- Slip resistant, textured bottom [ASTM F-462]

## CONFIGURATION

☐ Fully equipped — ADA
Includes L-shaped grab bar, L-shaped fold-up seat, pressure balancing mixing valve and hand-held shower assembly per ADA guidelines

## ADDITIONAL OPTIONS

Fixture Wall: ☐ Left ☐ Right
Horizontal L-shaped grab bar
☐ Stainless Steel ☐ Powder-Coated White
☐ L-shaped fold-up seat
☐ Hand-held shower assembly with 24 (610) slide bar and 60 (1525) hose
☐ Pressure balancing mixing valve
☐ Soap dish
☐ Curtain rod
☐ Shower curtain
Standard Colors: ☐ Almond ☐ Biscuit
☐ Bone ☐ Linen ☐ White ☐ Sterling Silver
☐ Other _____
☐ Brass drain
☐ Additional accessories _____

For pricing of units and additional options, reference the Aquatic Price Book.



MOORE Supply Co.

# Submittal Sheet

**Aquatic products may be specified as Lasco Bathware.**

AQUATIC
*Where Inspiration Takes Shape*

## 1363BFSC ADA Compliant

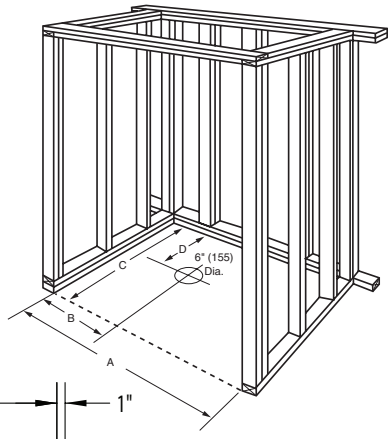
Please indicate changes needed.

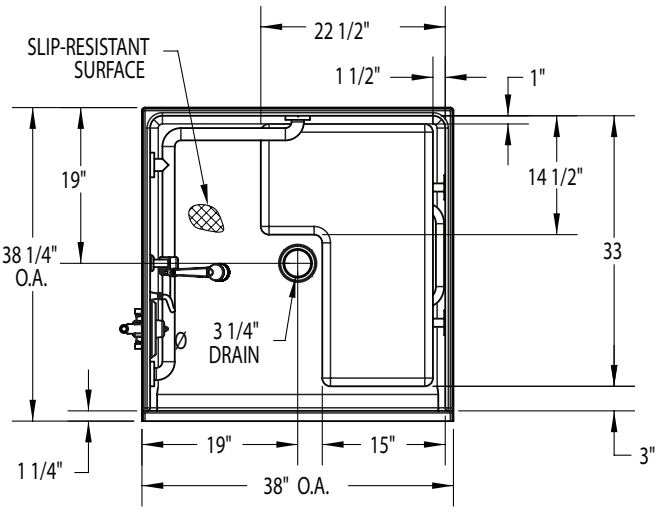
L1363BFSCLWH

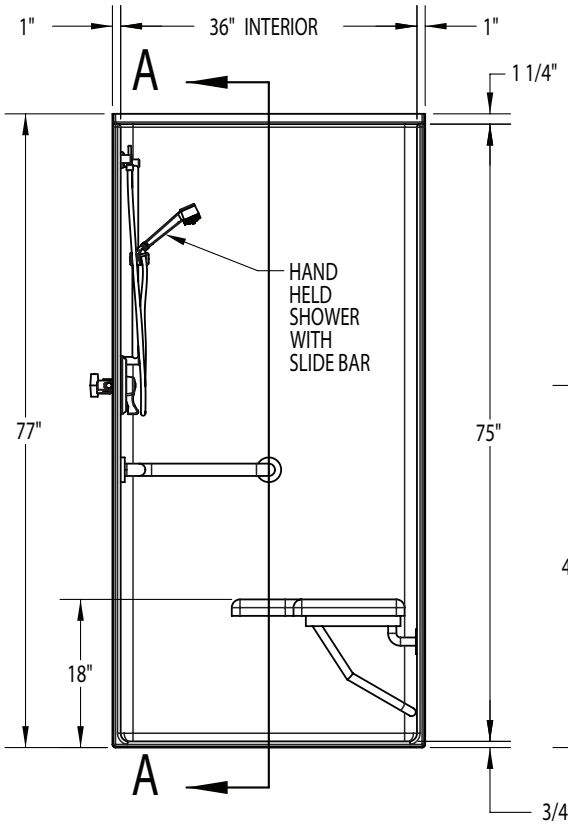
### FRAMING DIMENSIONS Inches (mm)

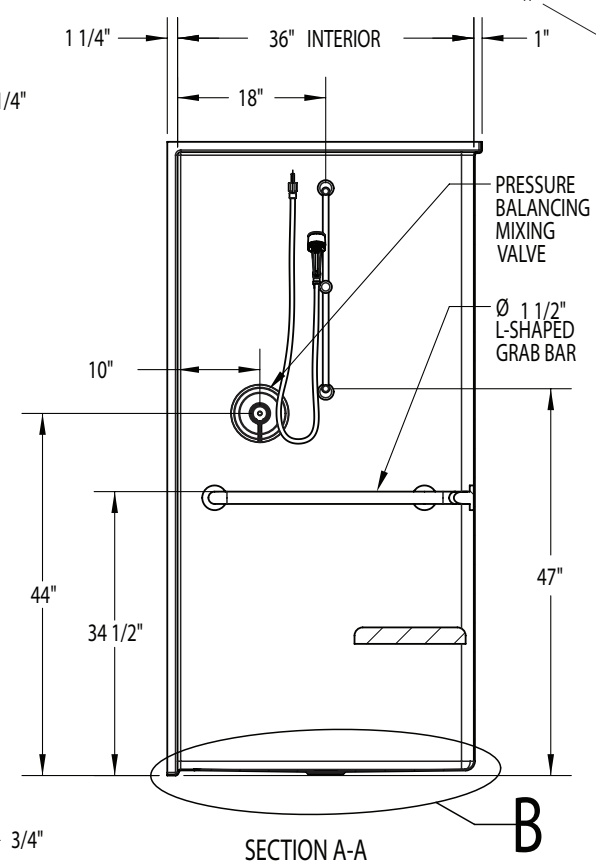
| A | B | C | D |
|---|---|---|---|
| 38 ⅛ (970) | 19 (480) | 38 ¼ (970) | 19 (480) |

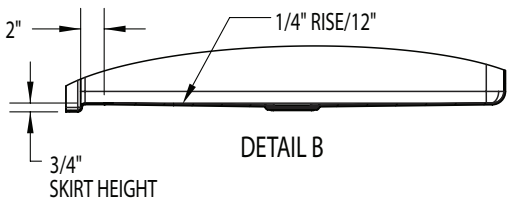
Installation Options:
1. Install in a recessed pit for rough-in floor installation.
2. Build sub-floor to level finished floor with top of shower skirt.




Shell tolerance: +0, – ⅜"
All other tolerances: ±1"

FAX TO THE AQUATIC CENTRALIZED CUSTOMER SERVICE CENTER (866) 544-5353



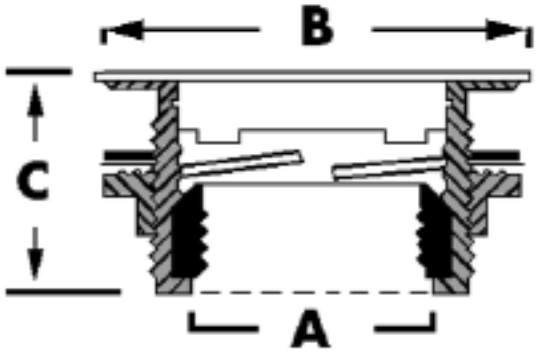
MOORE Supply Co.

# SPECIFICATION SUBMITTAL SHEET

**jones stephens corporation**

# NO CAULK SHOWER STALL DRAINS

JSD40101




## PART NO. D40-101

### features and benefits:

- Fits over 2″ schecule 40 DWV pipe
- Snap-in strainer
- Wrench included
- For 2″ CTS order gasket separately
- Meets ASTM D2665-07

This product and others like it can be found in the Jones Stephens catalog. Call today to order your catalog or download it from our website: www.plumbest.com

| PART NO. | Description | A | B | C |
|---|---|---|---|---|
| **D40-101** | Plastic Body SS Strainer (101PNC) | 2 1/2″ | 4 1/4″ | 2″ |

jones stephens corporation
3249 moody parkway • moody, alabama 35004
toll free phone: 1-800-355-6637 • toll free fax: 1-800-462-6991
www.plumbest.com

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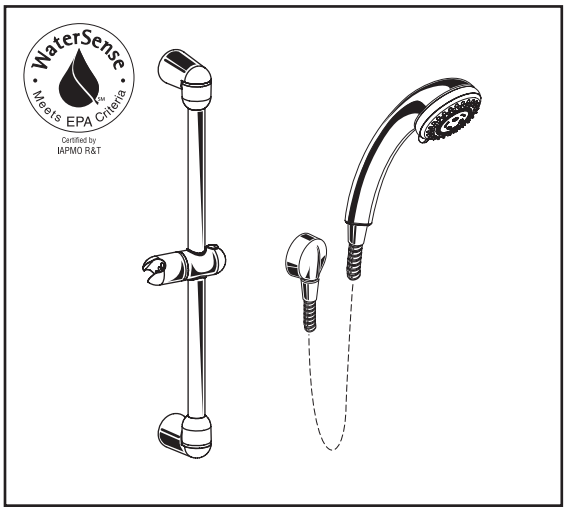
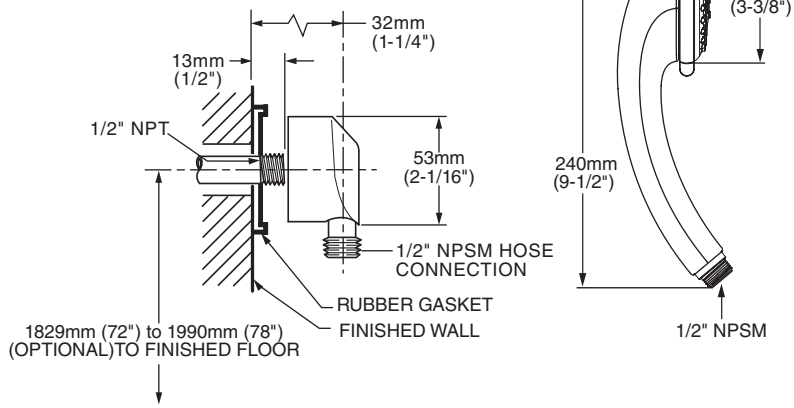
# SHOWER SYSTEMS
## WATER SAVING SHOWER SYSTEM KIT

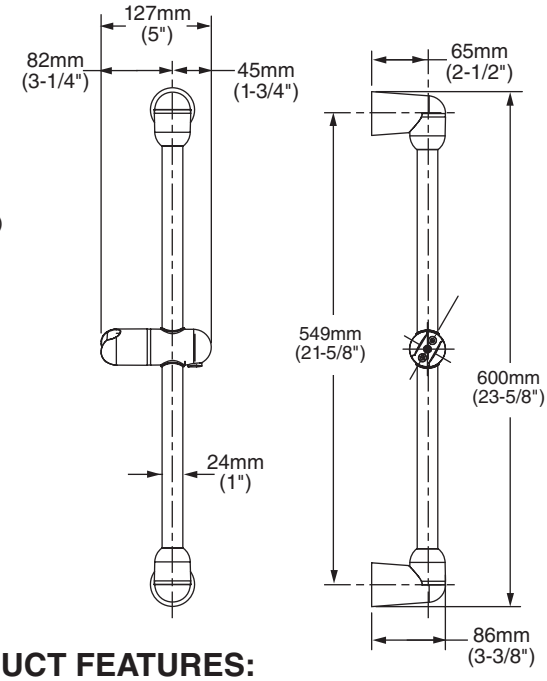



## MODEL NUMBER:

❑ **1662.604 Shower System Kit**
Includes:

| | |
|---|---|
| • Water Saving Soft Hand Shower | 1660.502 |
| • Hose | 8888.035 |
| • Wall Supply | 8888.037 |
| • Standard Slide Bar | 1660.225 |




## GENERAL DESCRIPTION:

Complete shower system kit includes: a wall supply with 1/2" NPT female inlet, 1/2" NPSM male outlet; a 59" (1500mm) shower hose; a "Soft" water saving hand shower; and a 25" Standard Slide Bar. Hand shower adjusts from a conventional spray to a gentle aerated flow. Spray pattern can be changed with the flick of the thumb. 1.5 gpm/5.7L/min. flow restrictor. Adjustable shower holder can be set at any height or position along the bar and angle up to 45˚. Kit includes double check valves to prevent cross flow of hot and cold water.

## PRODUCT FEATURES:

**HAND SHOWER**

**Water Saving:** Saves up to 40% in water usage.

**Lightweight, Ergonomic Design:** For a sure grip even with wet, soapy hands.

**Simple Spray Pattern Adjustment:** Spray patterns can be changed with a flick of the thumb. A true one-handed operation.

**Variety of Spray Patterns:** Allows the user to select the type of spray best suited to their needs.

**SLIDE BAR**

**Simple Height Adjustment:** Allows positioning of the personal shower anywhere along the bar.

**SELECTION OF FINISHES**

**Available Finishes:** Wide range of durable finishes.

## SUGGESTED SPECIFICATION:

Shower system shall feature a wall supply with 1/2" NPT female inlets, 1/2" NPSM male outlet, 59" hose, hand shower and a 25" Standard Slide Bar. Hand shower shall be ergonomically designed for a positive grip even when wet. Spray pattern adjustment shall be performed with simple movement of thumb without need to change grip on handle. Hand shower shall save a minimum of 40% in water usage. Kit shall include double check valves to prevent cross flow of hot and cold water.Fitting shall be American Standard Model # 1662.604.____ .



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Style That Works Better

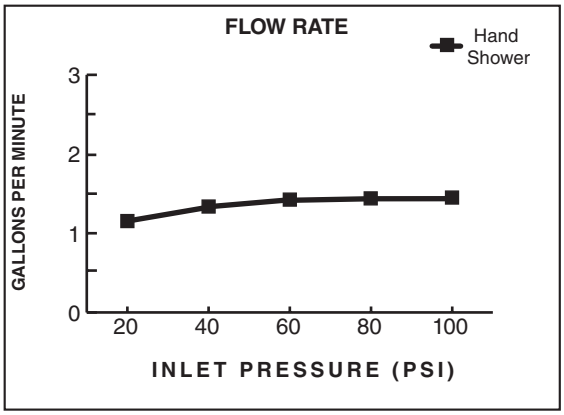
# SHOWER SYSTEMS
## WATER SAVING SHOWER SYSTEM KIT

## CODES AND STANDARDS

Install as required to comply with local code requirements.

**ASME A112.18.1**
**CSA 125**

GREEN
UPC
C ®




| Product Number | Description | Finish Options | |
|---|---|---|---|
| | | Polished Chrome | PVD Satin Nickel |
| | | 002 | 295 |
| 1662.604 | Shower System Kit. Contains Water Saving "Soft" hand shower, hose, wall supply and Deluxe Slide Bar. | | |

/00021258190



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American Standard
Style That Works Better

# COLONY®
## PRESSURE BALANCE BATH/SHOWER FITTING
### WITH FloWise® SHOWERHEAD

**T375.128 Bath/Shower Trim Shown**

## GENERAL DESCRIPTION:

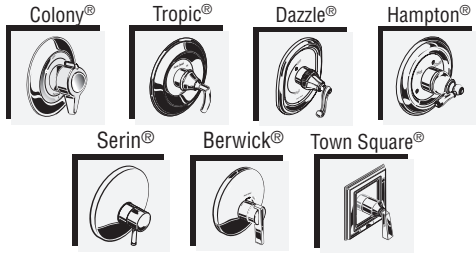
**TRIM KIT**

FloWise water saving showerhead offers 40% water savings at maximum 1.5gpm/5.7L/min. flow rate. Metal slip-on diverter spout. Available with lever or metal lever handle. Available in Bath/Shower and Shower Only combinations.

**ROUGH VALVE BODY**

Cast brass body, washerless ceramic disc valve cartridge with back to back capability, and hot limit safety stop. Cycles from “off” to “cold” to “hot”. Pressure balancing cartridge maintains constant output temperature in response to changes in relative hot and cold supply pressure. 1/2" inlets and outlets (choice of direct sweat, threaded, or PEX). Available with screwdriver stops. Rough-in plaster guard designed for use as thin-wall mounting adaptor.

**Valve body will accept a variety of decorative Bath/Shower Trims**




## MODEL NUMBER:

**TRIM KITS:**

- ❑ **T375.128 Colony BATH/SHOWER Trim Kit**
  Lever Handle. FloWise Showerhead. LESS Valve Body.
- ❑ **T375.248 Colony BATH/SHOWER Trim Kit**
  Metal Lever Handle. FloWise Showerhead. LESS Valve Body.
- ❑ **T372.128 Colony SHOWER ONLY Trim Kit**
  Lever Handle. FloWise Showerhead. LESS Valve Body.
- ❑ **T372.248 Colony SHOWER ONLY Trim Kit**
  Metal Lever Handle. FloWise Showerhead. LESS Valve Body.

**ROUGH VALVES:**

- ❑ **R110 Pressure Balance Rough Valve Body only**
  Direct sweat inlets/outlets. LESS trim.
- ❑ **R110SS Pressure Balance Rough Valve Body only with Screwdriver stops**
  Direct sweat inlets/outlets. Screwdriver stops. LESS trim.
- ❑ **R115 Pressure Balance Rough Valve Body only**
  Female thread inlets/outlets. LESS trim.
- ❑ **R115SS Pressure Balance Rough Valve Body only with Screwdriver stops**
  Female thread inlets/outlets. Screwdriver stops. LESS trim.
- ❑ **R117 Pressure Balance Rough Valve Body only**
  PEX inlets/Direct sweat outlets. LESS trim.
- ❑ **R117SS Pressure Balance Rough Valve Body only with Screwdriver stops**
  PEX inlets/Direct sweat outlets. Screwdriver stops. LESS trim.

## PRODUCT FEATURES:

**Flowise Water Saving Showerhead:** Saves 40% in water usage. Max. 1.5gpm/5.7L/min. flow rate.

**Cast Brass Valve Body:** Durable - Quality that will last a lifetime. Ideal material for prolonged contact with water.

**Ceramic Disc Valve Cartridge:** Assures a lifetime of drip-free performance. Allows easy fine tuning of temperature (125˚handle rotation from off to hot).

**Pressure Balancing Valve Cartridge:** Maintains constant output temperature in response to changes in hot and cold supply pressure. Diaphragm system engineered to eliminate cross flow. Avoids failure due to mineral deposits - ideal for use in hard water.

**Back-to-Back Capability:** Hot and cold can be reversed quickly and easily.

**Adjustable Hot Limit Safety Stop:** Limits the amount of hot water allowed to mix with cold. Reduces the risk of accidental scalding.

**Exclusive Plaster Guard:** Plaster guard is designed to protect valve during installation and serve as a mounting plate for thin-wall installations. 2 piece design allows valve to be tested prior to trim installation.

**Wide Rough-in Range:** From 1-5/8" to 3-1/4".

## SUGGESTED SPECIFICATION:

Bath/shower fitting shall feature water saving showerhead with Max. 1.5gpm/5.7L/min. flow rate. Shall feature a cast brass body. Shall feature ceramic disc valve cartridge which is capable of back-to-back installation. Fitting shall be equipped with pressure balancing cartridge engineered to eliminate cross flow and avoid failure due to mineral deposits. Shall also feature hot limit safety stop. Fitting shall be: Rough Valve Body - American Standard Model # R11____, Trim Kit - American Standard Model # T37_._____._____.



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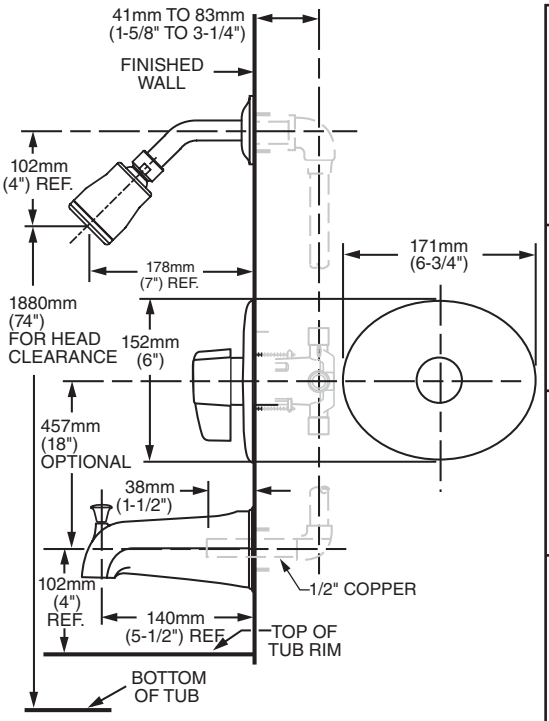
American Standard
Style That Works Better

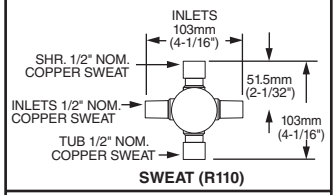
# COLONY®

## PRESSURE BALANCE BATH/SHOWER FITTING

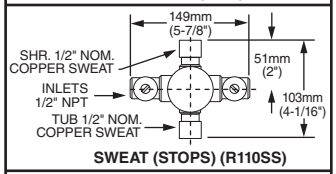
### WITH FloWise® SHOWERHEAD



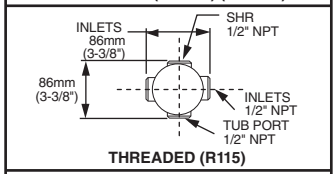

## VALVE BODY OPTIONS



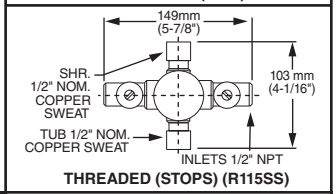

SWEAT (R110)



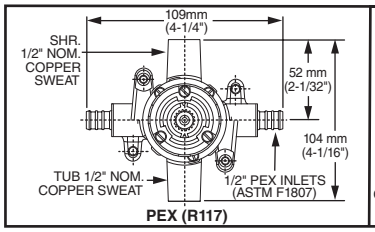

SWEAT (STOPS) (R110SS)



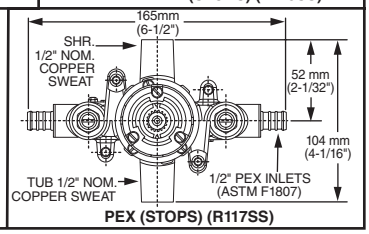

THREADED (R115)



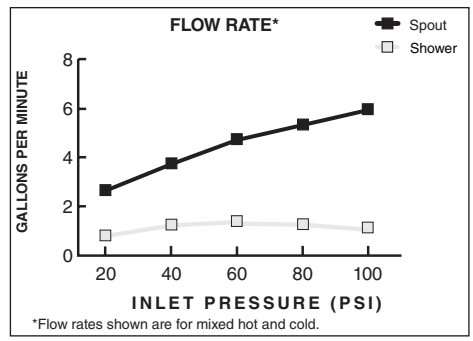

THREADED (STOPS) (R115SS)




PEX (R117)




PEX (STOPS) (R117SS)




*Flow rates shown are for mixed hot and cold.

## CODES AND STANDARDS

These products meet or exceed the following codes and standards:

**ASSE 1016**
**ASME A112.18.1**
**CSA B 125**

GREEN

Meets the American Disabilities Act Guidelines and **ANSI A117.1** Requirements for the physically challenged.

| TRIM KITS * | Product Number | Description | Finish Options: Polished Chrome 002 |
|---|---|---|---|
| | T375.128 | Bath/Shower Trim Kit. Lever Handle. FloWise Showerhead. LESS Valve Body. | |
| | T375.248 | Bath/Shower Trim Kit. Metal Lever Handle. FloWise Showerhead. LESS Valve Body. | |
| | T372.128 | Shower Only Trim Kit. Lever Handle. FloWise Showerhead. LESS Valve Body. | |
| | T372.248 | Shower Only Trim Kit. Metal Lever Handle. FloWise Showerhead. LESS Valve Body. | |

| ROUGH VALVE BODIES | Product Number | Description |
|---|---|---|
| | R110 | Rough Valve Body less trim. Direct Sweat inlets/outlets. |
| | R110SS | Rough Valve Body less trim. Direct Sweat inlets/outlets with Screwdriver Stops. |
| | R115 | Rough Valve Body less trim. Female Thread inlets/outlets. |
| | R115SS | Rough Valve Body less trim. Female Thread inlets/outlets with Screwdriver Stops. |
| | R117 | Rough Valve Body less trim. PEX inlets/ Direct Sweat outlets. |
| | R117SS | Rough Valve Body less trim. PEX inlets/ Direct Sweat outlets with Screwdriver Stops. |

*** TRIM & ROUGH MUST BE ORDERED SEPARATELY.**



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# QUALIFY 4 WEEK ETA

MOORE Supply Co.

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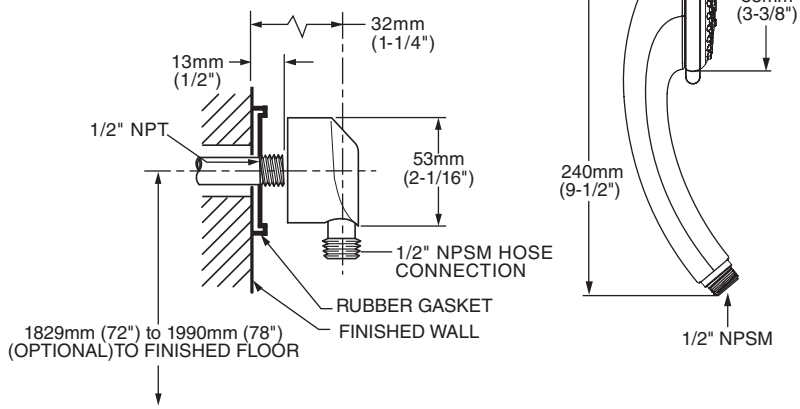
# SHOWER SYSTEMS
## SHOWER SYSTEM KIT

/00021258193

## MODEL NUMBER:

❑ **1662.600 Shower System Kit**
Includes:

| | |
|---|---|
| • Soft Hand Shower | 1660.500 |
| • Hose | 8888.035 |
| • Wall Supply | 8888.037 |
| • Standard Slide Bar | 1660.225 |




## GENERAL DESCRIPTION:

Complete shower system kit includes: a wall supply with 1/2" NPT female inlet, 1/2" NPSM male outlet; a 59" (1500mm) shower hose; a “Soft” hand shower; and a 25" Standard Slide Bar. Hand shower adjusts from a conventional spray to a gentle aerated flow. Spray pattern can be changed with the flick of the thumb. 2.5 gpm/9.5L/min. flow restrictor. Adjustable shower holder can be set at any height or position along the bar and angle up to 45˚. Kit includes double check valves to prevent cross flow of hot and cold water.

## PRODUCT FEATURES:

**HAND SHOWER**

**Lightweight, Ergonomic Design:** For a sure grip even with wet, soapy hands.

**Simple Spray Pattern Adjustment:** Spray patterns can be changed with a flick of the thumb. A true one-handed operation.

**Variety of Spray Patterns:** Allows the user to select the type of spray best suited to their needs.

**SLIDE BAR**

**Simple Height Adjustment:** Allows positioning of the personal shower anywhere along the bar.

**SELECTION OF FINISHES**

**Available Finishes:** Wide range of durable finishes.

## SUGGESTED SPECIFICATION:

Shower system shall feature a wall supply with 1/2" NPT female inlets, 1/2" NPSM male outlet, 59" hose, hand shower and a 25" Standard Slide Bar. Hand shower shall be ergonomically designed for a positive grip even when wet. Spray pattern adjustment shall be performed with simple movement of thumb without need to change grip on handle. Kit shall include double check valves to prevent cross flow of hot and cold water. Fitting shall be American Standard Model # 1662.600.____ .



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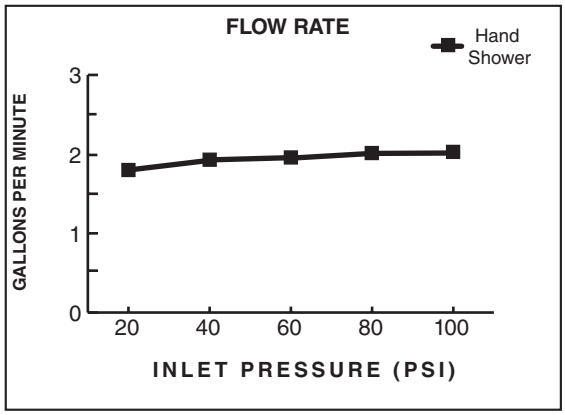
# SHOWER SYSTEMS
## SHOWER SYSTEM KIT

## CODES AND STANDARDS

Install as required to comply with local code requirements.

**ASME A112.18.1**
**CSA 125**




| Product Number | Description | Finish Options | |
|---|---|---|---|
| | | Polished Chrome | PVD Satin Nickel |
| | | 002 | 295 |
| 1662.600 | Shower System Kit. Contains “Soft” hand shower, hose, wall supply and deluxe slide bar. | | |

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Spec Seq#: 37

MOORE Supply Co.

/00021258194

** EWH-1 **

MOORE Supply Co.

# 3KW - 12KW Electric Commercial Water Heaters

**208, 240, 277 and 480 Voltages**

**Short Models Available**

gama

## Available in 30, 40, 50, 65, 80 and 120 Gallon Tank-Type Models

### 3KW thru 12KW

Electric commercial water heaters are designed to provide hot water where applications require moderate quantities. These units are suited for a wide variety of applications such as retail stores, small offices or any location where a moderate amount of hot water is required.

## Construction Features:

- **Long life tank design –** proprietary steel formulation with a unique coat of high temperature porcelain enamel to maximize corrosion resistance resulting in a superior tank design. A patented R-Tech anode rod provides advanced technology; equalizing aggressive water action while prolonging the effective life of the anode rod and in turn the life of the tank.
- **Long life heating elements –** our patented resistor elements are designed with a specially treated, double layer of magnesium oxide and copper to resist corrosion. Replacement elements screw in easily.
- **Wiring options –** simultaneous and non-simultaneous wiring, single phase and three phase available.
- **Effecient design –** 2-1/2" of rigid polyurethane foam insulation provides superior insulating qualities resulting in reduced operating costs.
- **Automatic temperature control –** a surface mounted thermostat automatically cycles on and off to maintain the water temperature at a desired preset level.
- **Durable brass drain valve**

## Certifications and Ratings:

- **Efficiency –** these models have been tested according to DOE test procedures, and exceed the minimum energy factor requirements of ASHRAE (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).
- **Safety and construction –** these products are design certified by Underwriters Laboratories (UL) to meet UL standard 174 as electric storage tank water heaters. All models are North Carolina and Massachusetts Code compliant.
  **CERTIFIED FOR A 150 PSI MAXIMUM WORKING PRESSURE.**

*Continued on reverse.*

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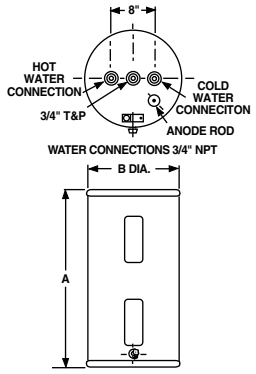
MOORE Supply Co.

*3KW - 12KW Electric continued.*

## DIMENSIONAL INFORMATION (All dimensions shown in English and Metric)

| MODEL NUMBER | MIN. WATTS | MAX WATTS | TANK CAPACITY GALLONS | TANK CAPACITY *LITERS* | A inches | A *mm* | B inches | B *mm* | APPROX. SHIPPING WT. lbs. | APPROX. SHIPPING WT. *kgs.* |
|---|---|---|---|---|---|---|---|---|---|---|
| ELDS30 | 3,000 | 12,000 | 30 | *114* | 29-1/2 | *750* | 22-1/4 | *565* | 105 | *48* |
| ELDS40 | 3,000 | 12,000 | 38 | *144* | 31-1/2 | *800* | 23 | *584* | 135 | *61* |
| ELDS52 | 3,000 | 12,000 | 47 | *178* | 32-1/2 | *813* | 26-1/4 | *667* | 150 | *68* |
| ELD30 | 3,000 | 9,000 | 30 | *114* | 45-1/2 | *1156* | 17-3/4 | *451* | 90 | *41* |
| ELD40 | 3,000 | 12,000 | 40 | *151* | 46-1/4 | *1175* | 22-1/4 | *565* | 108 | *49* |
| ELD52 | 3,000 | 12,000 | 50 | *189* | 57 | *1448* | 22-1/4 | *565* | 127 | *58* |
| ELD66 | 3,000 | 12,000 | 65 | *246* | 58-3/4 | *1492* | 23 | *584* | 170 | *77* |
| ELD80 | 3,000 | 12,000 | 80 | *303* | 59 | *1499* | 24-1/2 | *622* | 200 | *91* |
| ELD120 | 3,000 | 12,000 | 119.9 | *454* | 62-1/2 | *1586* | 28-1/4 | *718* | 330 | *150* |

| WATER TEMPERATURE RATINGS | Thermostat Type: | Minimum Temperature: | Maximum Temperature: | High Temperature Limit: |
|---|---|---|---|---|
| | Surface Mounted | 110°F *(43.3°C)* | 170°F *(76.7°C)* | 190°F *(87.8°C)* |




## PRODUCT AVAILABILITY

| ELEMENT WATTAGE (UPPER/LOWER) | NON-SIMULTANEOUS WIRING 2 OR 3 WIRE CONFIGURATION SINGLE OR THREE PHASE OPERATION† 208V | 240V | 277V | 480V | SIMULTANEOUS WIRING 2 WIRE CONFIGURATION SINGLE PHASE OPERATION ONLY 208V | 240V | 277V | 480V | 4 WIRE CONFIGURATION SINGLE OR THREE PHASE OPERATION† 208V | 240V | 277V | 480V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3,000/3,000 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |
| 4,000/4,000 | Y | Y | Y | Y | N/A | N/A | Y | Y | Y | Y | Y | Y |
| 4,500/4,500 | Y | Y | Y | Y | N/A | N/A | N/A | Y | Y | Y | Y | Y |
| 5,000/5,000 | Y | Y | Y | Y | N/A | N/A | N/A | Y | Y | Y | Y | Y |
| 6,000/6,000 | Y | Y | Y | Y | N/A | N/A | N/A | Y | N/A | Y | Y | Y |

## ELECTRICAL CHARACTERISTICS

| ELEMENT WATTAGE (Upper/Lower) | NON-SIMULTANEOUS WIRING SINGLE/THREE PHASE OPERATION† FULL LOAD CURRENT IN AMPERES (All Terminals) 208V | 240V | 277V* | 480V | SIMULTANEOUS WIRING SINGLE PHASE OPERATION FULL LOAD CURRENT IN AMPERES (All Terminals) 208V | 240V | 277V | 480V | THREE PHASE OPERATION† FULL LOAD CURRENT IN AMPERES (Terminals L3 / Terminals L1 & L2) 208V | 240V | 277V** | 480V |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3,000/3,000 | 14.4 | 12.5 | 10.8 | 6.3 | 28.8 | 25.0 | 21.7 | 12.5 | 25.0/14.4 | 21.7/12.5 | 10.8 | 10.8/6.3 |
| 4,000/4,000 | 19.2 | 16.7 | 14.4 | 8.3 | N/A | N/A | 28.9 | 16.7 | 33.3/19.2 | 28.9/16.7 | 14.4 | 14.4/8.3 |
| 4,500/4,500 | 21.6 | 18.8 | 16.2 | 9.4 | N/A | N/A | N/A | 18.8 | 37.5/21.6 | 32.5/18.8 | 16.2 | 16.2/9.4 |
| 5,000/5,000 | 24.0 | 20.8 | 18.1 | 10.4 | N/A | N/A | N/A | 20.8 | 41.7/24.0 | 36.1/20.8 | 18.1 | 18.0/10.4 |
| 6,000/6,000 | 28.8 | 25.0 | 21.7 | 12.5 | N/A | N/A | N/A | 25.0 | N/A | 43.3/25.0 | 21.7 | 21.7/12.5 |

* 277 Volt units are not available for three phase operation. ** 277 Volt units can be ordered in 4 wire simultaneous for single phase operation. † Unbalanced three phase.

## RECOVERY CAPACITIES – Recovery in U.S. Gallons/Hr. (GPH) and Liters/Hr. (LPH) at various temperature rises.

| ELEMENT WATTAGE (Upper/Lower) | NON-SIMULTANEOUS WIRING 40°F *(22°C)* GPH | *LPH* | 60°F *(33°C)* GPH | *LPH* | 80°F *(45°C)* GPH | *LPH* | 100°F *(56°C)* GPH | *LPH* | 120°F *(67°C)* GPH | *LPH* | SIMULTANEOUS WIRING 40°F *(22°C)* GPH | *LPH* | 60°F *(33°C)* GPH | *LPH* | 80°F *(45°C)* GPH | *LPH* | 100°F *(56°C)* GPH | *LPH* | 120°F *(67°C)* GPH | *LPH* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3,000/3,000 | 30 | *115* | 20 | *77* | 15 | *58* | 12 | *46* | 10 | *38* | 61 | *230* | 41 | *153* | 30 | *115* | 24 | *92* | 20 | *77* |
| 4,000/4,000 | 41 | *153* | 27 | *102* | 20 | *77* | 16 | *61* | 14 | *51* | 81 | *307* | 54 | *205* | 41 | *153* | 32 | *123* | 27 | *102* |
| 4,500/4,500 | 46 | *173* | 30 | *115* | 23 | *86* | 18 | *69* | 15 | *58* | 91 | *345* | 61 | *230* | 46 | *173* | 36 | *138* | 30 | *115* |
| 5,000/5,000 | 51 | *192* | 34 | *128* | 25 | *96* | 20 | *77* | 17 | *64* | 101 | *384* | 68 | *256* | 51 | *192* | 41 | *153* | 34 | *128* |
| 6,000/6,000 | 61 | *230* | 41 | *153* | 30 | *115* | 24 | *92* | 20 | *77* | 122 | *460* | 81 | *307* | 61 | *230* | 49 | *184* | 41 | *153* |

## Recommended Specifications

Water heater(s) shall be model _____, manufactured by RHEEM-RUUD, having electrical input of _____ kW and a recovery rate of _____ GPH at a 100°F temperature rise. Water heater(s) shall have a storage capacity of _____ gallons. Water heater(s) shall have the UL seal of certification and be factory equipped with an AGA/ASME rated temperature and pressure relief valve. Tank(s) interior shall be coated with a high temperature porcelain enamel and furnished with an R-Tech resistored magnesium anode rod rigidly supported. Water heater(s) shall meet or exceed the energy factor requirements of ASHRAE. Tanks shall have a working pressure rating of 150 psi, and shall be completely assembled. Water heater(s) shall be equipped with copper, resistored, "screw-in" type elements. Tank shall be insulated with 2½" of rigid polyurethane foam insulation. Water heater(s) shall be equipped with surface mounted thermostats each with an integral, manual reset, high limit control. Water heater(s) shall be covered by a three year limited warranty against tank leaks.

## Limited Warranty

This product features a three year limited warranty against tank leaks. Please refer to Commercial Warranty Information brochure for complete warranty information.

COMMERCIAL WATER HEATERS

***In keeping with its policy of continuous progress and product improvement, Rheem-Ruud reserves the right to make changes without notice.***

**Rheem Water Heating** • 101 Bell Road, Montgomery, Alabama 36117-4305 • www.rheem.com



/00021298405

MOORE Supply Co.

## For Water Heater/Tank Applications

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

W34N36

# Model N36-M1

## Vacuum Relief Valve

**Sizes: ½" – ¾" (15 and 20mm) Male NPT**

### Features

- Low profile
- All brass body
- Protective cap
- Suitable for low pressure steam and water service
- Tested and rated to ANSI Z21.22
- CSA certified

### Applications

- Domestic water heaters and supply tanks
- Table top heaters
- Jacketed steam kettles
- Unit heaters
- Low pressure steam systems
- Steam coil heaters

**Note:** Vacuum relief valves are not designed or approved as back-siphonage backflow preventers. For protection against back-siphonage install Watts Series 288A vacuum breakers.

### Standards

Tested and rated to ANSI Z21.22

CSA certified

### Specifications

A Watts Model N36-M1 Vacuum Relief Valve shall be installed on domestic hot water supply tanks/ heaters/ unit heaters/ steam kettles as indicated on plans. The vacuum relief valve shall be ANSI Z21.22 rated and CSA certified. The vacuum relief valve shall have an all brass body and include a protective cap.

Design certified by C SA US

**N36-M1**

**Tested and rated under "ANSI Z21.22 Relief Valves for Hot Water Supply Systems".**

For automatic venting of a closed system to atmosphere when a vacuum is created. The Watts N36-M1 Vacuum Relief Valve permits air to enter and prevent vacuum conditions that could siphon the water from the system, resulting in collapse of a tank or water heater or equipment burn out.

**N36-M1**

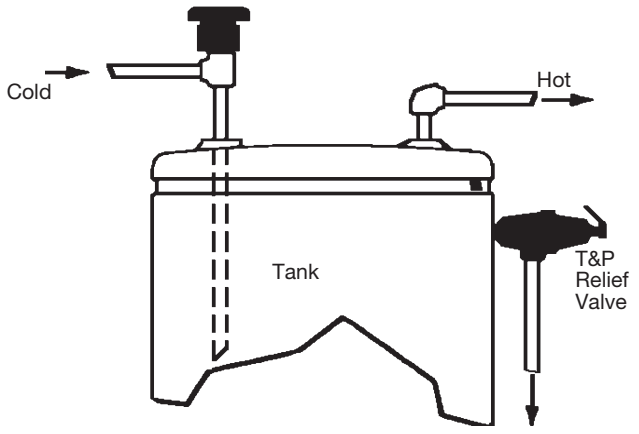


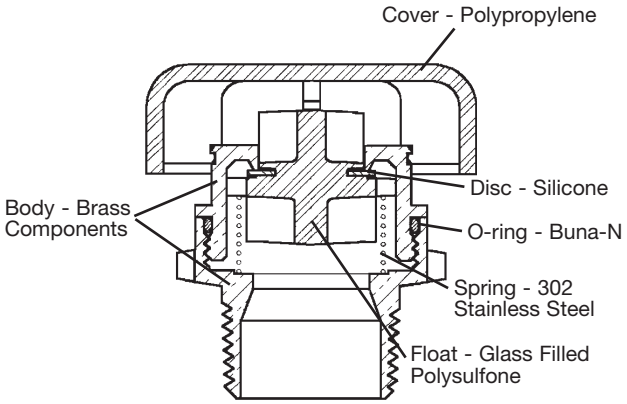

**Figure 1**
**Domestic Hot Water Supply Tanks and Heaters with Top Supply**

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

WATTS®

MOORE Supply Co.

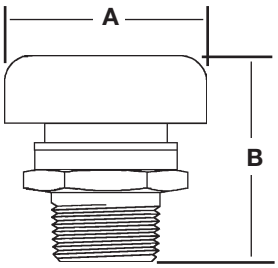
## Materials




## Pressure/Temperature

**Maximum steam working pressure:** 15 psi (1.03 bars)
**Maximum temperature:** 250°F (121°C)

## Dimensions-Weights




| SIZE (DN) | | DIMENSIONS | | | | WEIGHT | |
|---|---|---|---|---|---|---|---|
| | | A | | B | | | |
| in. | mm | in. | mm | in. | mm | oz. | gr. |
| ½ | 15 | 2 | 50 | 2 | 50 | 4 | 113 |
| ¾ | 20 | 2 | 50 | 2 | 50 | 4 | 113 |

## Capacity

| SIZE (DN) | | | VENTING CAPACITY | |
|---|---|---|---|---|
| in. | mm | MODEL | CFM | LPM |
| ½ | 15 | N36-M1 | 15 | 425 |
| ¾ | 20 | N36-M1 | 15 | 425 |

## Typical Installations

### Water Service

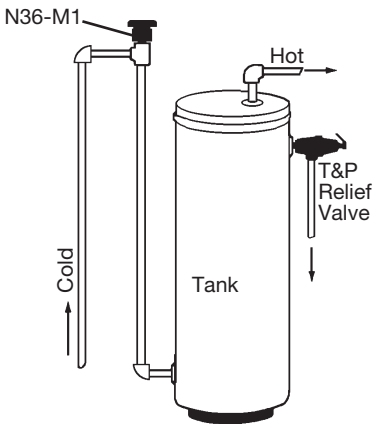



**Figure 2**
**Domestic Hot Water Supply Tanks and Heaters with Bottom Feed**

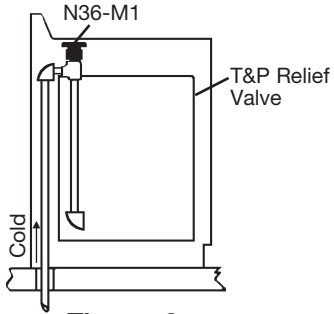



**Figure 3 -**
**Table Top Heaters**

### Steam Service

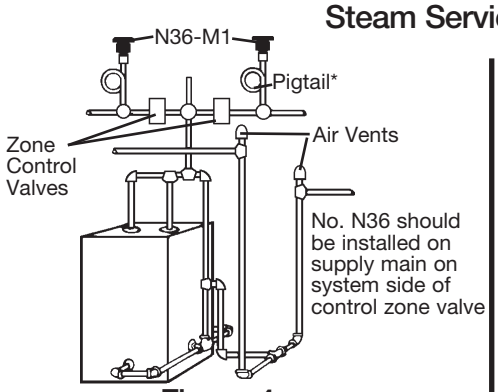

N36-M1
Pigtail*
Air Vents
Zone Control Valves
No. N36 should be installed on supply main on system side of control zone valve

**Figure 4**
**Low Pressure Steam Heating Systems**

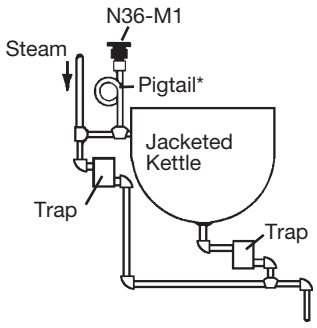



**Figure 5**
**Jacketed Kettles**

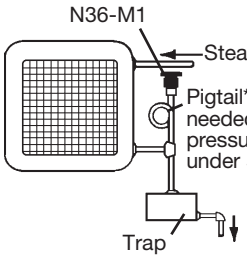



**Figure 6**
**Unit Heaters**

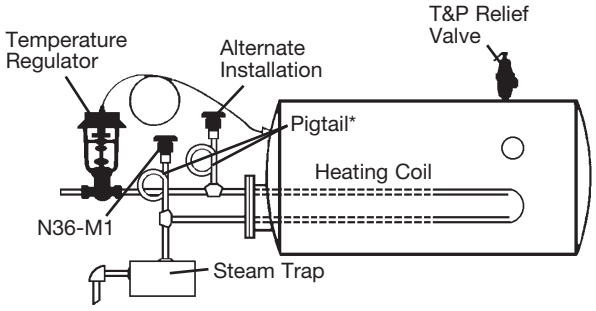



**Figure 7**
**Steam Coil Heaters**

***Note:** When used for steam service, be sure to use pigtail to prevent live steam from damaging N36 valve.

W34N36

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**Water Safety & Flow Control Products**

ISO 9001-2000 CERTIFIED

**USA:** 815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com
**Canada:** 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca



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ADD BELOW IF NEEDED

MOORE Supply Co.

**For Water Heater and Hot Water Storage Tank Applications**

Job Name _____

Job Location _____

Engineer _____

Approval _____

Contractor _____

Approval _____

Contractor's P.O. No. _____

Representative _____

**LEAD FREE***

# Series PLT

## Potable Water Expansion Tanks

Series PLT Potable Water Expansion Tanks are designed to absorb the increased volume of water created by thermal expansion and to maintain balanced pressure throughout the potable water supply system.

Heated water expands, and in a domestic hot water system, the system may be closed when the potable water system is isolated from the public water supply by a one-way valve such as pressure reducing valve, backflow preventer or check valve. Provisions must be made for this expansion.

Series PLT expansion tanks absorb the increased volume of water created when the hot water storage tank is heated and keeps the system pressure below the relief setting of the T&P relief valve.
It is a pre-pressurized steel tank with an expansion membrane that prevents contact of the water with the air in the tank. This prevents loss of air to the water and insures long and trouble-free life for the system. These tanks may be used with all types of Direct Fired Hot Water Heaters (gas, oil or electric) and hot water storage tanks.

### Features

- Rugged flexible butyl diaphragm
- Field adjustable pre-charge
- In-line and free standing models
- Can be used with most standard hot water heaters and storage tanks

### Models

PLT-5-M1 has ¾" male connection, tank volume 2.1 gal.
PLT-12-M1 has ¾" male connection, tank volume 4.5 gal.
PLT-20-M1 has ¾" male connection, tank volume 8.5 gal.
PLT-35-M1 has 1" female connection, tank volume 14.00 gal.

### Specifications

The potable water expansion tank shall be of drawn steel construction. It shall have a Butyl diaphragm separating the air chamber from the water containing chamber. Inlet connector shall be Stainless Steel. Materials of manufacture for the diaphragm shall be FDA approved.

The potable water expansion tank shall be a Watts Model PLT.

***The wetted surface of this product contacted by consumable water contains less than one quarter of one percent (0.25%) of lead by weight.**

### Standards

**Models PLT-5, PLT-12 and PLT-20**
are Listed by IAPMO.
Certified to ANSI/NSF 61
**Model PLT-35**
Certified to ANSI/NSF 61

(73°F/23°C)

**Note:** The potable water expansion tank shall be installed in the cold water service pipe line on the supply side of the water heater (or water storage tank). A pressure relief valve sized and installed in accordance with local codes must be incorporated in the system.
In those systems requiring a combined temperature and pressure safety relief valve, the temperature and pressure relief valve should be sized and installed in accordance with local codes. Adequate drainage provisions should be provided where water flow will cause damage.

**See chart on back**

PLT5

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

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## Selection

This Quick Reference Selection Guide may be used as an alternative to using a formula to determine the correct expansion tank for the system. This table is based upon a relief valve setting of 150psi (10.3 bar),
and a maximum of 50°F temperature rise.

To select the correct model PLT series tank, simply go the supply pressure equal to the system supply pressure (for pressures between those shown use next highest supply pressure shown), read across the chart to the correct tank as indicated by the water heater capacity (for capacities between those shown, use next highest capacity).

To accommodate the thermal expansion required for higher temperature and/or higher pressure systems, multiple tanks may be used. Please contact the factory for sizing information.

| SUPPLY PRESSURE (PSIG) | WATER HEATER (GALLONS) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 20 | 30 | 40 | 50 | 80 | 100 | 120 |
| 40 | | | | | | | |
| 50 | | | | | | | |
| 55 | | | | | | | |
| 60 | | | | | | | |
| 70 | | | | | | | |
| 80 | | | | | | | |
| 90 | | | | | | | |
| 100 | | | | | | | |
| 110 | | | | | | | |
| 120 | | | | | | | |

PLT-5 PLT-20
PLT-12 PLT-35
Multiple tanks required - consult factory

## Materials

Diaphragm: Butyl rubber

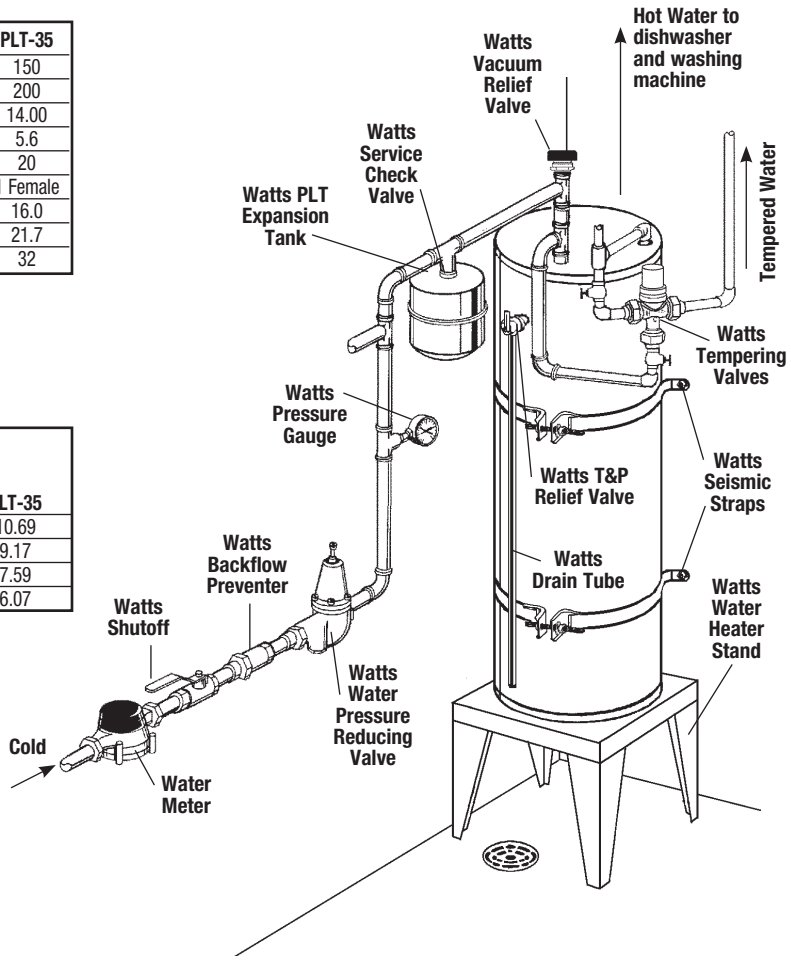
Inlet Connection: Stainless Steel

## Technical Information

| Description | PLT-5 | PLT-12 | PLT-20 | PLT-35 |
|---|---|---|---|---|
| Max. Pressure - PSI | 150 | 150 | 150 | 150 |
| Max. Temp. - °F | 200 | 200 | 200 | 200 |
| Tank Volume - Gal. | 2.1 | 4.5 | 8.5 | 14.00 |
| Tank Acceptance - Gal. | 1.26 | 2.8 | 3.2 | 5.6 |
| Air Pre-charge - PSI | 20 | 20 | 20 | 20 |
| Connections Size - Inches | ¾ Male | ¾ Male | ¾ Male | 1 Female |
| Diameter - Inches | 8 | 10.5 | 12.5 | 16.0 |
| Length - Inches | 11 | 13.5 | 19.2 | 21.7 |
| Weight - Lbs. | 5.5 | 10 | 15 | 32 |

## Acceptance Volume

| Air Side Pre-pressure (psi) | Water Side Volume at 150psi (gallons) | | | |
|---|---|---|---|---|
| | PLT-5 | PLT-12 | PLT-20 | PLT-35 |
| 20 | 1.48 | 3.42 | 7.102 | 10.69 |
| 40 | 1.26 | 2.88 | 5.882 | 9.17 |
| 60 | 1.0 | 2.49 | 4.705 | 7.59 |
| 80 | .8 | 1.85 | 4.009 | 6.07 |




PLT5

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** DHWP-1 **

MOORE Supply Co.

GRUNDFOS®

**Series UP**
**OPEN SYSTEMS**

## Wet-Rotor, In-Line, Single Stage, Maintenance Free, Circulator Pumps

# Submittal Data

# 60 Cycle

JOB or CUSTOMER:

ENGINEER:

CONTRACTOR:

SUBMITTED BY: DATE:

APPROVED BY: DATE:

ORDER NO: DATE:

SPECIFICATION REF:

| QUANTITY | TAG NO. | MODEL NO. | GPM | FEET | VOLT | PHASE | COMMENTS |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

## Technical Data

**FLOW RANGE:** 0 to 46 U.S. GPM
**HEAD RANGE:** 0 to 32 Feet
**MOTORS:** 2 Pole, Single Phase
**MAXIMUM FLUID TEMPERATURE:** 220°F (104°C), Maximum design temperature.
**FOR OPEN SYSTEMS -** 140°F (60°C) Is the maximum recommended fluid temperature to avoid precipitation of calcium in water.

**MIN. FLUID TEMPERATURE for UP15:** 36°F (2°C)
**MIN. FLUID TEMPERATURE for ALL OTHERS:** 32°F (0°C)

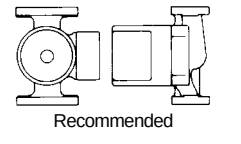
| Ambient Air Temp. | 130°F (55°C) | 140°F (60°C) | 160°F (71°C) | 175°F (79°C) |
|---|---|---|---|---|
| Maximum Water Temp. | 220°F (104°C) | 210°F (99°C) | 190°F (88°C) | 175°F (79°C) |

**MAXIMUM WORKING PRESSURE:** 145 PSI

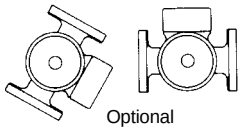
**MINIMUM REQUIRED INLET PRESSURE:**

| Temperature | 220°F (104°C) | 190°F (88°C) | 140°F (60°C) |
|---|---|---|---|
| Pressure | 36 Ft. (11m) 15.6 psi | 9.0 Ft. (2.8m) 4.0 psi | 3.0 Ft. (0.9m) 1.3 psi |

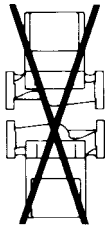
## Mounting Positions



Recommended



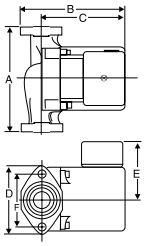
Optional



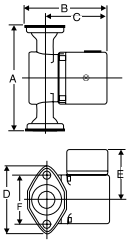
**DO NOT** Mount Motor Shaft in Vertical Position

**FOR INDOOR USE ONLY**

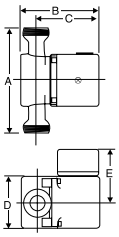
## Dimensions, and Weights



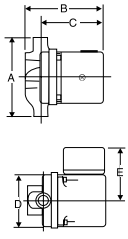
UP26-96BF, UP26-99BF, & UP43-75BF



UP15-18SF, UP15-42SF, UPS15-42SF & UP25-64SF



UP15-18SU, UP15-42SU, UPS15-42SU & UP25-64SU



UP15-10B5 & B7, UP15-18B5 & B7, UP15-42B5 & B7

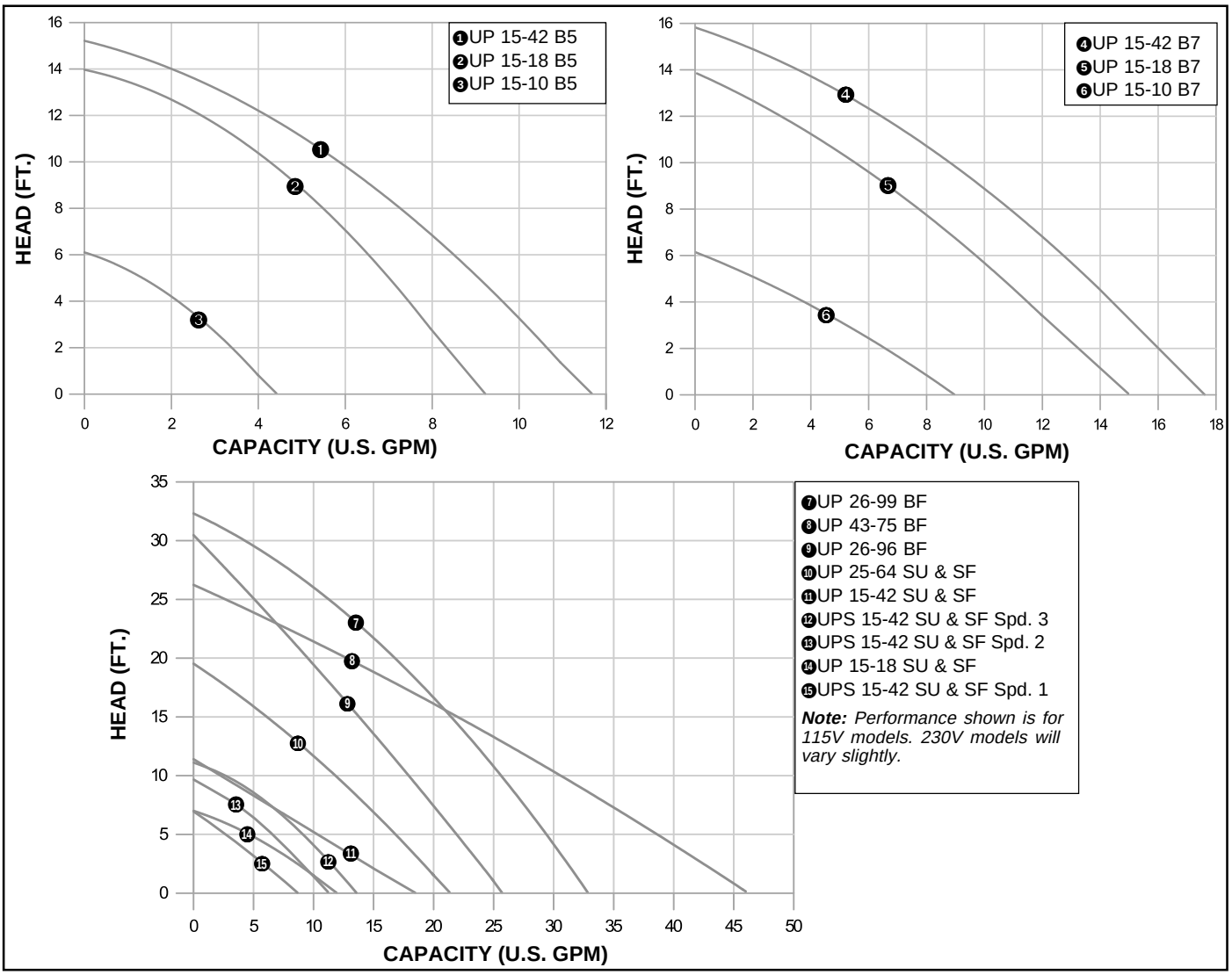
| OPEN SYSTEM MODELS | A | B | C | D | E | F ① | Connection Type and Size | Shipping Wt. (Lbs.) |
|---|---|---|---|---|---|---|---|---|
| UP15-10B5 | 5 | 4 11/16 | 4 | 4 | 3 1/2 | – | Sweat – 1/2" | 6 |
| UP15-10B7 | 6 3/8 | 5 1/8 | 4 | 3 13/16 | 3 1/4 | – | Sweat – 3/4" | 6.7 |
| UP15-18SU & UP/UPS15-42SU | 5 7/8 | 5 1/16 | 4 | 3 7/16 | 3 1/4 | – | Union – 1 1/4" NPSM | 5 |
| UP15-18SF & UP/UPS15-42SF | 6 1/2 | 5 1/4 | 4 | 4 3/16 | 3 1/4 | 3 5/32 | Flange – (2) 1/2" Dia. Bolt Holes | 6 |
| UP15-18B5 & UP15-42B5 | 5 | 4 11/16 | 4 | 3 1/2 | 3 1/4 | – | Sweat – 1/2" | 6 |
| UP15-18B7 & UP15-42B7 | 6 3/8 | 5 1/8 | 4 | 3 13/16 | 3 1/4 | – | Sweat – 3/4" | 6.7 |
| UP25-64SU | 5 7/8 | 5 13/16 | 4 13/16 | 4 | 3 1/2 | – | Union – 1 1/4" NPSM | 9 |
| UP25-64SF | 6 1/2 | 6 1/16 | 4 13/16 | 4 3/16 | 3 1/2 | 3 5/32 | Flange – (2) 1/2" Dia. Bolt Holes | 10 |
| UP26-96BF | 6 1/2 | 6 3/8 | 5 1/16 | 4 1/8 | 3 1/2 | 3 5/32 | Flange – (2) 1/2" Dia. Bolt Holes | 12.5 |
| UP26-99BF | 6 1/2 | 6 3/8 | 5 1/16 | 4 1/8 | 3 1/2 | 3 5/32 | Flange – (2) 1/2" Dia. Bolt Holes | 12.5 |
| UP43-75BF | 8 1/2 | 6 11/16 | 5 3/16 | 4 3/4 | 3 1/2 | 3 7/16 | Flange – (2) 1/2" Dia. Bolt Holes | 15 |

NOTES: All dimensions are in inches. ① "F" dimension is the flange bolt centerline to centerline.

/00021298406

MOORE Supply Co.

# Performance *Stainless Steel or Bronze Construction - Flange, Union, or Sweat Mount*


❶UP 15-42 B5
❷UP 15-18 B5
❸UP 15-10 B5
HEAD (FT.)
CAPACITY (U.S. GPM)
❹UP 15-42 B7
❺UP 15-18 B7
❻UP 15-10 B7
HEAD (FT.)
CAPACITY (U.S. GPM)
❼UP 26-99 BF
❽UP 43-75 BF
❾UP 26-96 BF
❿UP 25-64 SU & SF
⓫UP 15-42 SU & SF
⓬UPS 15-42 SU & SF Spd. 3
⓭UPS 15-42 SU & SF Spd. 2
⓮UP 15-18 SU & SF
⓯UPS 15-42 SU & SF Spd. 1
Note: Performance shown is for 115V models. 230V models will vary slightly.
HEAD (FT.)
CAPACITOR (U.S. GPM)

## Electrical Data

| MODEL | VOLTS | AMPS | WATTS | HP | CAPACITOR |
|---|---|---|---|---|---|
| UP15-10B5 & B7 | 115 | .55 | 58 | 1/25 | 8µF/180V |
| UP15-18SU, SF, & B5 | 115 | .74 | 85 | 1/25 | 10µF/180V |
| | 230 | .40 | 90 | 1/25 | 2µF/400V |
| UP15-18B7 | 115 | .74 | 85 | 1/25 | 10µF/180V |
| | 230 | .40 | 96 | 1/25 | 2µF/400V |
| UP15-42SU, SF, & B5 | 115 | .74 | 85 | 1/25 | 10µF/180V |
| | 230 | .41 | 95 | 1/25 | 2µF/400V |
| UP15-42B7 | 115 | .74 | 85 | 1/25 | 10µF/180V |
| | 230 | .41 | 95 | 1/25 | 2µF/400V |

| MODEL | VOLTS | AMPS | WATTS | HP | CAPACITOR |
|---|---|---|---|---|---|
| UP25-64SU & SF | 115 | 1.70 | 180 | 1/12 | 8µF/180V |
| | 230 | .80 | 175 | 1/12 | 2.5µF/380V |
| UP26-96BF | 115 | 1.70 | 205 | 1/12 | 10µF/180V |
| | 230 | .80 | 205 | 1/12 | 2.5µF/380V |
| UP26-99BF | 115 | 2.15 | 245 | 1/6 | 10µF/180V |
| | 230 | 1.07 | 245 | 1/6 | 2.5µF/380V |
| UP43-75BF | 115 | 2.15 | 215 | 1/6 | 10µF/180V |
| | 230 | 1.07 | 220 | 1/6 | 2.5µF/380V |

## Materials of Construction

| DESCRIPTION | MATERIAL |
|---|---|
| Inlet Cone, Bearing Plate, Bearing Retainers, Rotor Can, Rotor Cladding, Shaft Retainer. | 304 Stainless Steel |
| Volute Retainer (SU & SF Models) & Stator Housing | Aluminum |
| Shaft, Upper & Lower Radial Bearings | Aluminum Oxide Ceramic |
| Thrust Bearing | Metal Impregnated Carbon |

| DESCRIPTION | MATERIAL |
|---|---|
| O'Ring & Gaskets | EP (Ethylene Propylene Rubber) |
| Pump Housing (Volute) | Silicone Bronze C875 or Stainless Steel |
| Impeller | PES Composite (30% Glass Filled) |
| Terminal Box | Noryl® |

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